PENNSYLVANIA STATE

Lancaster Farming

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Penn State College Of Ag Changes Name

UNIVERSITY PARK (Centre Co.) — To more accurately reflect its broad range of programs, Penn State's College of Agriculture has changed its name to the College of Agricultural Sciences.

"This refinement better demonstrates the diversity of our research and educational programs," says Dr. Lamartine F. Hood, dean of the College. "Students will find a vast array of career opportunities based in the agricultural sciences."

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Sec. B...Women's News, Public Sales & Mailbox Market.

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Bruce Hellerick, Lancaster horticulture agent, displays a temperature sensor at Esbenshade's Greenhouses.

Ebb And Flow System Underneath Acres Of Holiday Blooms

ANDY ANDREWS
Lancaster Farming Staff

LITITZ (Lancaster Co.) — Watering can often be a time-consuming, expensive chore for any greenhouse business, especially during the hectic holiday season.

Not only that, but extensive watering of potted and bedding plants not only can prove harmful to the plants, but detrimental to the environment beyond the greenhouse.

Many greenhouse managers are adapting new computer technology coupled with a new system of taking care of the precious nodes, bulbs, leafs, and stems that drag in the dollars — a system called "ebb and flow."

The ebb and flow technique, begun in Holland more than 20

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Oberheim Appointed Manager Of Ag Progress

UNIVERSITY PARK, Pa. — Bob Oberheim has been named manager of Penn State's Ag Progress Days, the largest outdoor agricultural exhibit in the Northeast, effective January 1, 1992.

Oberheim currently is manager of the horticulture farm at the Russell E. Larson Agricultural Research Center in Rock Springs. He will continue to work in this capacity, dividing his responsibilities between the farm and Ag Progress Days.

"I am delighted that Bob has agreed to assume this new role," says Lamartine F. Hood, dean of the College of Agricultural Sciences. "He will continue the tradition of excellence associated with the College's most important agricultural event."

Oberheim replaces Dr. Joseph Harrington, professor of agronomy, who recently retired from

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1991 Filled With Changes, Extremes, Successes

VERNON ACHENBACH JR.
Lancaster Farming Staff

HARRISBURG (Dauphin Co.) — Few Pennsylvanians know whether to rejoice or cry in light of the extreme mix of events which took place during the past year.

Drought, one of the worst in recent history, and coming on the back of two other droughts within the past five years, curtailed state production of certain crops, left a number of dairymen wondering what they are going to be feeding cattle in coming months, and put others out of business.

On the other hand, Texas has been under assault of constant rain and record flooding.

The drought also forced the local use of new technologies in irrigation. Also, with increased irrigation, and many small streams drying up and residential and commercial groundwater supplies still at deficits, the Susquehanna River Basin Commission was forced out of seeming dormancy to address the issue of water rights and possible restrictions.

Farmers won't get hit with high proposed user fees. Those were turned down after testimony at public hearings convinced the commission that the agricultural fees were not in the best interest of the state and that farmers were not the problem.

However, addressing water rights is still pending.

A mix of other negatives happened: milk and hog prices plummeted, grain prices stayed low, some farmers went off to war, the general U.S. economy and the agricultural economy both con-

(Turn to Page A28)

Farm Show Issue Next Week

EDITOR'S NOTE: The 76th Pennsylvania Farm Show is scheduled for January 11-16 in Harrisburg. *Lancaster Farming's* special Farm Show issue with maps to help you find the commercial exhibitors and features about farmers who show crops and livestock will be published next week. The show has a new schedule this year, with the first judging done on Thursday and Friday. The show opens to the public on Saturday. You can turn to Page A15 to A18 in this issue to get a sneak preview of the times and places for your favorite activity.

Holiday Deadlines

The *Lancaster Farming* office will be closed Wednesday, January 1 in observance of New Year's. Deadlines for the January 4 issue are as follows.

- Mailbox Market Ads — 5:00 p.m., Friday, Dec. 27.
- Public Sale Ads — 9:00 a.m. Monday, Dec. 30.
- Late News — Noon, Thursday, Jan. 2.
- Classified Section C Ads — 5:00 p.m., Tuesday, Dec. 31.
- All other Classified Ads — 9:00 a.m., Thursday, Jan. 2.

Daview Farms Wins Top Producer For Second Year

CONNIE LEINBACH
Berks Co. Correspondent

KUTZTOWN (Berks Co.) — Attention to the health and nutrition of their cows is the secret to Luther and Teresa Davis's winning top producer for the second straight year at the annual Berks County DHIA banquet.

The Davis' 75 head of registered Holsteins topped the scales at 23,778 of milk. They also had top protein at 775 pounds and were second in butterfat at 873 pounds.

"We put a lot of time into the cows," Teresa said about their management style. That means frequent visits from the veterinarian, Dennis C. Hoshall of Oley and consultations with nutritionist Timothy C. Kissling of Robesonia.

Teresa attributes their winning numbers to conversion to TMR feeding for their milkers and 60 replacement heifers.

"We try to balance what they're eating," she explained.

More importantly, she said, they know what their cows are eating.

Since they began this method two years ago, they've seen dramatic results with milk production, passing the 20,000 pound mark after beginning this method of management, up from 19,000 pounds before the new method.

Though installing the TMR method was expensive, it paid for itself in a year because it saved a lot of feed, Teresa said.

"You've just got to have good turnover on your cows or you'll lose money," she said.

The herd owned by Glenn Gockley, Mohnton R.D. 2, came in second at 23,513 pounds. He also placed second in protein at 763 pounds. Junge Farms, New Tripoli R.D. 1, had high herd butterfat at 880 pounds.

Lowest somatic cell count went

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Luther and Teresa Davis, Daview Farms, far right, won top producer for the second straight year at the Berks Co. annual DHIA banquet. From left, Kelly Geisinger, dairy princess; Helen Driesbach, Jersey award; Eugene Kreider, son of Clarence Kreider, second place, herd management; and Teresa and Luther Davis.

Lancaster Co. Livestock Market Auctions

Lancaster Livestock Auction

Lancaster, Pa.
Monday, December 23, 1991

	Cattle	Calves	Hogs	Sheep	Goats
Monday's Auction	442	109	316	872	296
Last Monday's Auction	930	91	187	2660	704
Last Year's Auction	456	65	156	803	438

CATTLE: Small supply slaughter steers and heifers mostly steady; cows steady; bullocks scarce; bulls steady. Supply included an estimated 36% slaughter steers, 16% slaughter heifers, 35% cows, and 13% bulls.

SLAUGHTER STEERS: Choice 2-4 1050-1425 lb 67.60-70.10, few 70.10-70.75; couple Choice 2 1050-1200 lb 71.25-72.50; few Choice 3 to mostly 4 1300-1450 lb 62.25-65.50; Select and low Choice 2-3 1050-1375 lb 63.00-66.75; few Select 2-3 1050-1275 lb 61.00-63.25.

HOLSTEINS: Couple Choice 1400-1590 lb 60.00-60.75; one lot Select and Choice 1625 lb 54.75.

SLAUGHTER HEIFERS: Choice 2-3 975-1200 lb 64.50-67.25, couple yield grade 2 1145-1285 lb 67.75-69.75; few Choice 4-5 1445-1480 lb 52.50-55.85; Select 2-3 950-1250 lb 59.50-62.50.

COWS: LO DRESSING BULK HI DRESSING Breaking Utility & Commercial 2-3 46.50-49.50 49.50-50.50 Commercial 3-4 44.00-47.00 Cutter & Boning Utility 1-2 43.00-45.00 45.00-49.00 49 00-50.50 Canner & low Cutter 40.00-42.00 42.00-45.00.

BULLOCKS: Few Choice 2-3 1145-1230 lb 68.00-70.50; couple Select 2 1185-1290 lb 65.75-67.75.

BULLS: Yield grade 1 1350-1900 lb 62.50-67.50, six head 1350-2060 lb 69.25-76.75; Yield grade 2 1050-1500 lb 58.75-62.50.

CALVES: Vealers steady; slaughter calves weak to 5.00 lower. Demand fair for Holstein bulls to return to farm.

VEALERS: Couple Choice 260-300 lb 103.00-111.00; high Good and low Choice 195-280 lb 79.00-86.00, 80-110 lb 50.00-58.00.

SLAUGHTER CALVES: Good and Choice 300-450 lb 59.00-68.00, couple Choice 72.00-76.00.

RETURNED TO FARM: Bulk 90-125 lb Holstein bulls 100.00-140.00.

HOGS: Barrows and gilts 1.00-1.25 higher; sows steady, instances 2.00 higher on 500-650 lb weights.

BARROWS AND GILTS: US 1-2 210-245 lb 42.00-43.00. US 1 215-235 lb 43.00-44.00. US 1-3 210-255 lb 41.50-42.00.

SOWS: US 1-3 300-500 lb 25.00-27.00. 500-650 lb 27.50-29.50.

BOARS: 300-600 lb 22.00, Few 250-300 lb 23.00-26.25

SHEEP: Wooled lambs weak to 3.00 lower; slaughter ewes 2.00-5.00 higher.

WOOLED LAMBS: Choice 85-120 lb 52.00-55.00 few 55.00-60.00, 55-75 lb 58.00- 65.00.

NEW CROP LAMBS: Choice 25-45 lb 100.00-130.00.

SLAUGHTER EWES: Utility and Good 22.00-35.00; Yearlings and two-year olds 35.00-40.00.

GOATS: All goats sold by the head. Large Billies 75.00-100.00, few 100.00-130.00. Large Nannies 50.00-60.00, few 60.00-70.00. Medium 45.00-55.00, few Thin 35.00-45.00. Small, mainly kids, 35.00-45.00, few Thin 25.00-35.00.

Vintage Livestock Auction

Paradise, Pa.
Tuesday, December 24, 1991

MERRY CHRISTMAS AND A HAPPY NEW YEAR!

CATTLE 304...USDA... Supply included 40% slaughter steers and 50% cows ... Compared with Monday's market: Slaughter steers steady, instaces .50 higher, Heifers fully steady, Cows steady, instances 1.00 higher on Canner and low Cutter; Bulls and Bullocks not tested Choice 2-3 few 4, 1100/1350 lbs slaughter steers 68 25-70 00, few 70 00-71, Choice #2, 1150/1425 lbs 70.75-72 00, few #4, 1200/1450 lbs. 62.00-66 00, Select and low Choice 2-3, 1100/1425 lbs. 64 50-67.50. Choice 2-3, 1200/1450 lbs. sl. heifers 62 75-68.50. Breaking Utility & Commercial cows 48 00-51.00, Cutter & Boning Utility 1-2, 46.00-49.75, high dressing 50 00-51.00, Canner & Low Cutter 43.00-47.00, low dressing 39.00-42.25.

CALVES 578... Supply included 384 in graded sale of which 93% sold to return to farm ... Vealers steady. One Choice 145 lbs. 95.00, High Good and low Choice 80/110 lbs. 50.00-57.00, Standard and low Good 55/80 lbs. 35.00-52.00. Farm Calves: 15 head Holstein Bulls 120/125 lbs. 137.00, 145 head 110/115 lbs. 150.00-157 00, 30 head 80/95 lbs. 112.00-117.00, 50 head 90/115 lbs. Small frame 96.00-100.00, few 70/85 lbs. 57.00-80.00; bulk Hol. Heifers 90/115 lbs. 110.00-120.00, lot 20 head 80/85 lbs. 130.00.

SHEEP 0...No market test. - all per cwt.

GOATS 1...No market test. - all per head.

New York Eggs

Dec. 24, 1991

Prices were lower. Trade sentiment was unsettled, but mostly cautiously steady. Cartoned egg demand was good as last minute holiday buying continued. Supplies were adequate to instances close where grading time was the limiting factor.

The New Jersey inventory was 34% below last Monday's level, and the New York inventory was 11% below last week.

PRICES TO RETAILERS, SALES TO VOLUME BUYERS, USDA GRADE A AND GRADE A, WHITE EGGS IN CARTONS, DELIVERED STORE DOOR, CENTS PER DOZEN.

RANGE EXTRA LARGE 79-81 LARGE 76-79 MEDIUM 64-67

Some markets not available due to the holiday

Lancaster Livestock Auction

Wednesday's market report has been discontinued until further notice because of insubstantial receipts.

Penns Valley Livestock Market, Inc.

Auction every Tues. 7 p.m.
Centre Hall, Pa.
Report supplied by Auction
Mon., Dec. 23, 1991

RETURN TO FARM CALF 120.00-165.00
GOOD VEAL: 70.00-119.00.
COMMON VEAL: 40.00-69.00.
SELECT STEERS: 55.00-61.00.
COMMON STEERS: 49.00-54.00.
COMMERCIAL COWS: 45.00-49.00.
CANNERS-CUTTERS: 42.00-48.00.
SHELLS: 25.00-41.00.
COMMON FEEDERS: 37.00-60.00.
BULLS: 45.00-53.00.

Jersey Shore Livestock Market, Inc.

Auction every Thursday at 4:00 p.m.
Jersey Shore, Pa.
Report supplied by Auction
Thursday, Dec. 26, 1991

RETURN TO FARM CALF 1.20-1.84
GOOD VEAL: 70.00-119.00
COMMON VEAL: 30.00-69.00.
CHOICE STEERS: 65.00-71.00.
SELECT STEERS: 62.00-66.00.
COMMON STEERS: 53.00-61.00.
COMMERCIAL COWS: 46.00-50.00.
FEW TO 54.00
CANNERS-CUTTERS: 42.00-49.00.
SHELLS: 30.75-41.00.
CHOICE HEIFERS: 63.00-68.00
SELECT HEIFERS: 59.00-62.00
COMMON HEIFERS 53.00-58.00
GOOD FEEDERS: 65.00-84.00
COMMON FEEDERS: 44.00-64.00
BULLS: 44.00-66.00.
GOOD HOGS: 36.00-38.35.

New Holland Livestock

Dec. 26, 1991

	Cattle	Calves	Sheep	Goats
Today	754	711	27	160
Last Thursday	919	655	308	365
Last Year	1070	1321	35	29

CATTLE: Slaughter steers mainly 1.00 higher; small supply slaughter heifers steady; cows firm to 1.00 higher; bullocks not tested; bulls steady. Supply included 30% slaughter steers and 60% cows.

SLAUGHTER STEERS: Choice 2-4 1050-1425 lb 68.50-70.50, few 70.50-71.75; few Choice and Prime 2-3 1175-1375 lb 71.75-72.50; Choice 3 to mostly 4 1425-1550 lb 64.00-67.75, few 1550-1650 lb 58.50-62.50; Select and low Choice 2-3 1100-1450 lb 64.75-68.50; few Select 2-3 1100-1325 lb 60.50-64.00.

HOLSTEINS: Select and Choice 1300-1675 lb 58.75-60.75.

SLAUGHTER HEIFERS: Choice 2-3 1000-1275 lb 64.00-68.50; few Select 2-3 835- 1340 lb 59.25-62.00.

COWS: LO DRESSING BULK HI DRESSING Breaking Utility & Commercial 2-3 47.00-50.25 50.50-52.00. Cutter & Boning Utility 1-2 43.75-45.50 45.50-50.25 50.50-51.75. Canner and low Cutter 40.00-43.00 43.00-46.00.

BULLS: Yield grade 1 1375-2180 lb 62.75-65.25; Yield grade 2 1150-1700 lb 58.50-61.75.

CALVES: Vealers steady, although Choice and Prime scarce. Demand good for Holstein bulls and heifers to return to farm.

VEALERS: Couple high Choice and Prime 260-310 lb 116.00-117.00; couple Choice 155-270 lb 96.00-108.00; high Good and low Choice 225-445 lb 67.00-86.00, 80- 110 lb 50.00-56.00, few 56.00-63.00; Standard and low Good 55-80 lb 40.00- 50.00.

RETURNED TO FARM: Bulk 95-125 lb Holstein Bulls 135.00-165.00, few 165.00- 172.00; small frame 95-115 lb 95.00-135.00, 80-95 lb 80.00-105.00; bulk 95- 120 lb Holstein Heifers 130.00-170.00, 80-90 lb 100.00-130.00.

SHEEP: Wooled lambs steady; slaughter ewes not tested.

WOOLED: Choice 65-95 lb 58.00-67.00; few Choice 50-65 lb New Crop Lambs 78.00-90.00, couple 45-55 lb 102.00-115.00.

GOATS: All goats sold by the head. Large 70.00-94.00, couple 120.00-127.00; Medium 48.00-68.00; few Small 38.00-48.00.

Lancaster County Weekly

Dec. 27, 1991

	Cattle	Calves
THIS WEEK	1700	1410
LAST WEEK	2934	1613
LAST YEAR	1560	1391

CATTLE: Slaughter steers mostly 1.00 higher; slaughter heifers steady; cows 1.00-1.50 higher; bullocks scarce; bulls steady. Supply included 30% slaughter steers, 9% slaughter heifers, 46% cows, 5% bulls, with the balance feeders.

SLAUGHTER STEERS: Choice 2-4 1050-1425 lb 68.25-70.50, few 70.50-71.75; Choice and Prime 2-3 1150-1425 lb 71.50-72.50; Choice 3 to mostly 4 1300- 1550 lb 64.00-67.75, few 4-5 1550-1650 lb 58.50-62.50; Select and low Choice 2-3 1050-1425 lb 63.50-68.50; few Select 2-3 1050-1325 lb 60.50-64.00.

HOLSTEINS: Few Choice 1350-1590 lb 60.00-60.75; Select and Choice 1400-1675 lb 54.75-60.00.

SLAUGHTER HEIFERS: Choice 2-3 975-1450 lb 64.00-68.50, couple yield grade 2 1145-1285 lb 68.50-69.75; few Choice 4-5 1445-1480 lb 52.50-55.85; Select 2-3 835-1340 lb 59.25-62.50.

COWS: LOW DRESSING BULK HIGH DRESSING Breaking Utility & Commercial 2-3 47.00-50.50 50.50-52.00 Commercial 3-4 44.00-47.50 Cutter and Boning Utility 1-2 43.00-45.50 45.50-50.25 50.50-51.75 Canner and low Cutter 39.00-43.00 43.00-47.00

BULLOCKS: Few Choice 2-3 1145-1230 lb 68.00-70.50; couple Select 2 1185-1290 lb 65.75-67.75.

BULLS: Yield grade 1 1350-2180 lb 62.50-67.50, six head 1350-2060 lb 69.25-76.75; Yield grade 2 1050-1700 lb 58.50-62.50.

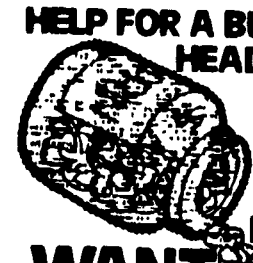
CALVES: Vealers steady, although Choice and Prime scarce; slaughter calves weak to 5.00 lower. Demand good for Holstein bulls and heifers to return to farm.

VEALERS: Couple High Choice and Prime 260-310 lb 116.00-117.00; few Choice 155-300 lb 95.00-111.00; high Good and low Choice 195-445 lb 67.00-86.00, 80- 110 lb 50.00-58.00 few 58.00-63.00; Standard and low Good 55-80 lb 37.00- 52.00.

SLAUGHTER CALVES: Good and Choice 300-450 lb 59.00-68.00, couple Choice 72.00-76.00.

RETURNED TO FARM: Bulk 95-125 lb Holstein bulls 135.00-165.00, few 165.00- 172.00, 85-95 lb 110.00-130.00, small frame 90-115 lb 95.00-135.00, 80-95 lb 80.00-105.00. Bulk 95-120 lb Holstein heifers 120.00-170.00, 80-90 lb 100.00-130.00.

HELP FOR A BUDGET HEADACHE



IN THE WANT ADS

B&R CATTLE CO.
RD 1, Marietta, PA 17547
Office Phone:
(717) 653-8164
Specializing In Stockers & Feeders
JOHN BOWMAN
Ph (717) 653-5728
RON RANCK
Ph (717) 656-9849

LEBANON VALLEY LIVESTOCK MARKET, INC.
1 mile East of Fredericksburg along Rt. 22
PHONE JONESTOWN 865-2881
Flea Market Auction every Tuesday at 12 30. Tools, Eggs, Produce, etc.
Buyers & Sellers Welcome

HAY, STRAW & CORN
— SALE —
Please Note New Sale Time!
Starting Jan. 3
Sale Starts 10 AM
Every Friday At 10 AM

GREEN DRAGON MARKET & AUCTION
RD No. 4 Ephrata, Pa. 717-738-1117
1 mile North of Ephrata on N. State St.
Out of State Buyers - Cash or Certified Check Only

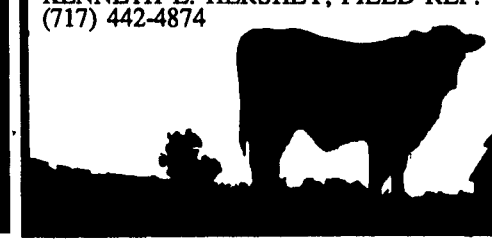
LANCASTER STOCK YARDS
Open 24 hours a day
365 days a year
(717)394-2611

AUCTIONS
MONDAY
9:00 A.M. - Slaughter Bulls, Heifers, Steers, Cows
10:00 A.M. - Goats, Veal Calves, Lambs
12 Noon - Slaughter Hogs
WEDNESDAY
8:00 A.M. - Slaughter Hogs
10:00 A.M. - Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M. - Veal Calves, Lambs
FRIDAY
11:00 A.M. - Stocker and Feeder Cattle
SATURDAY
8:00 A.M. - Slaughter Hogs

Next Feeder Cattle Sale
Friday, Jan. 3 - 11:00 A.M.
HOLIDAY SCHEDULE
Closed New Year's Day, Jan. 1

LANCASTER STOCKYARDS, INC.
1147 Lititz Pike, Lancaster, Pennsylvania 17601
Serving The Community For 96 Years

VINTAGE SALES STABLES, INC.
SPECIAL HOURS FOR HOLIDAYS
We will be open Tues., Dec. 24 and Tues., Dec. 31.
START 9 A.M. GATES CLOSE 2:30 P.M.
L. ROBERT FRAME, SR., PRESIDENT
BUS (717) 442-4181
BUS (717) 768-8204
HOME (215) 458-8518
IRWIN MARTIN, FIELD REP.
(717) 733-7434
KENNETH E. HERSHEY, FIELD REP.
(717) 442-4874



TRUCKING SERVICE AVAIL.-LOCAL & LONG DISTANCE
(RT. 30, 10 MILES EAST OF LANCASTER IN PARADISE, PA)

Hog Markets

State Graded Feeder Pig Sale

at Westminster
Livestock Auction
December 20, 1991

625 PIGS, 2 WEEKS AGO 705. PIGS 35-50 LB. SOLD 2.00-8.00 HIGHER. HEAVYWEIGHTS SOLD ABOUT STEADY.

GRADE 1&2: 18 HD. 25 LBS. 108.00; 25 HD. 32-39 LB. 94.00-97.00; 45 HD. 42-44 LB. 88.00-96.00; 150 HD. 44-55 LB. 72.00-79.00; 192 HD. 56-67 LB. 65.00-70.00; 145 HD. 69-77 LBS. 62.00-65.00; 29 HD. 84 LBS. 57.00.

GRADE 2: 14 HD. 42 LBS. 77.00.

NEXT GRADED SALE FRIDAY, JAN. 3, 1992.

New Holland Hog Auction

Lancaster, Pa.
Monday, December 23, 1991

HOG RECEIPTS:

Today	993
Last Monday	855
Last Year	416

TREND: Compared to last Monday barrows and gilts 2.00 higher.

BARROWS AND GILTS: US 1-2 210-245 lb 42.25-43.50.

US 1 210-240 lb 44.00-45.00.

US 1-3 210-255 lb 40.00-41.50.

US -3 260-280 lb 36.00-38.00.

Peoria Hogs

Peoria, IL
Dec. 26, 1991

HOGS: 1000 TRADING MODERATE. BARROWS AND GILTS STEADY TO .50 HIGHER COMPARED WITH TUESDAY SUPPLY MAINLY US 1-3 230-260 LBS.

US 1-3 220-250 LBS. 39.50-40.00 TO FILL CME CONTRACTS 200-220 LBS. 32.00-34.00 2-3 230-260 LBS. 38.50-39.50 FEW 260-280 LBS. 36.50-38.50

SOWS: UNDER 500 LBS. STEADY; OVER 500 LBS. .50-1.00 HIGHER 8%

US 1-3 325-500 LBS. 27.50 500-650 LBS. 28.50-29.00

BOARS: OVER 350 LBS. 23.00 UNDER 350 LBS. 25.00

HOG 214

SB 37.50-39.00 SC 39.50-40.00 SF 37.50-39.00 SG 39.50-40.00 SH 38.50-39.50 SK 38.50-39.50 SL 37.50-38.50 SW 27.50-27.50 SX 27.50-27.50 SY 28.50-29.00 SZ 28.50-29.00 TA 23.00-23.00

DUE TO THE CLOSING OF THE MARKET NEWS OFFICE AT THE PEORIA UNION STOCKYARDS, THIS REPORT WILL NO LONGER BE AVAILABLE AFTER JANUARY 15, 1992

St. Louis Cattle, Hogs

Dec. 24, 1991

CATTLE & CALVES: 0 (0 SLTR, 0 FDR)

THAT MAKES AN INSUFFICIENT VOLUME SLAUGHTER CATTLE FOR A PRICE TEST.

NOT A CREATURE IS STIRRING IN THE CATTLE PENS.

MERRY CHRISTMAS TO ALL, AND TO ALL A GOOD NIGHT.

Lancaster Hogs

Lancaster Stockyards
Sat., Dec. 21, 1991
Report supplied by auction

550 HEAD.

US 1 215-245 LBS. 42.00-43.75.

US 1-2 215-245 LBS. 41.00-42.00.

US 1-3 215-245 LBS. 40.00-41.00.

US 2-4 215-255 LBS. 38.50-40.00.

LIGHTWEIGHT HOGS: 195-210 LBS. 37.50-39.50; 180-195 LBS 35.00-37.50; 120-180 LBS. 35.00-40.00; 80-120 LBS. 40.00-50.00; 50-80 LBS. 44.00-55.00; 30-50 LBS. 40.00-70.00.

GOOD SOWS: 27.00-29.50; MEDIUMS 25.00-27.00; THIN SOWS: 20.00-24.00.

HEAVY BOARS 22.50-24.00; LIGHT JR. BOARS: 22.00-26.00.

Indiana Hogs

Dec. 24, 1991

HOGS 51

BARROWS AND GILTS: MOSTLY STEADY, INSTANCES .50 DEMAND MODERATE. LOWER. PLANTS STEADY TO .25 LOWER. COUNTRY: PLANTS: US 1-2 220-260 LBS. 36.50-39.00 37.50-38.25

210-220 LBS. 34.50-37.00

US 1-3 220-260 LBS. 35.50-38.00

SOWS: UNDER 500 LBS. STEADY TO 1.00 HIGHER, OVER 500 LBS. STEADY.

US 1-3 300-500 LBS. 22.00-25.00, FEW 26.00.

500-650 LBS. 24.00-27.00, FEW 28.00.

**INDIANA DIRECT RECEIPTS:

MONDAY'S ACTUAL 23,200 TODAYS ESTIMATE 14,500 TUESDAY WEEK AGO 22,800 TUESDAY YEAR AGO HOLIDAY WEEK TO DATE 37,700 SM PD WEEK AGO 48,700 SM PD YEAR AGO 11,200

**RECEIPTS FOR A YEAR AGO WILL NOT COMPARE TO THIS WEEK DUE TO A CHANGE IN THE REPORTING BASE.

CARCASS BASIS HOG PRICES: HOT WEIGHTS: PLANT DELIVERED. 160-185 LBS. BARROWS AND GILTS: MIXED .50 HIGHER TO .70 LOWER.

US 1 (BACKFAT THICKNESS .50-.79 IN.) 53.53 TO 58.00 US 1 (BACKFAT THICKNESS .80-.99 IN.) 52.23 TO 54.00 US 2 (BACKFAT THICKNESS 1.00-1.24 IN.) 50.65 TO 53.00 US 3 (BACKFAT THICKNESS 1.25-1.49 IN.) 49.65 TO 52.50 US 4 (BACKFAT THICKNESS 1.50-1.79 IN.) 47.93 TO 49.65

ACTUAL PAYING PRICE MAY NOT ALWAYS BE WITHIN PRICE RANGES AS ADJUSTMENTS ARE MADE FOR SUPERIOR OR INFERIOR MUSCLING AND BACKFAT THICKNESS WITHIN THE GRADES.

Hay & Grain Markets

Pa. Grain

Dec. 23, 1991
Report supplied by PDA

COMPARED WITH LAST MONDAY'S MARKET FOR SOUTHEASTERN, CENTRAL, AND SOUTH CENTRAL PA: CORN STEADY TO 02 HIGHER; WHEAT, BARLEY, AND OATS STEADY TO .04 HIGHER; SOYBEANS STEADY TO .07 HIGHER; EAR CORN FULLY 1.00 HIGHER.

SOUTHEASTERN PENNSYLVANIA

CORN NO. 2-Y RANGE 2.60-2 98, AVERAGE 2.81; @WHEAT NO. 2 RANGE 3.60-4.20, AVERAGE 3.95, FEW REPORTED CONTRACT FOR HARVEST 3.21-3.31; BARLEY NO. 3 RANGE 1.85-2.20, AVERAGE 2.03; FEW REPORTED CONTRACT FOR HARVEST 1.65-1.90; OATS NO. 2 RANGE 1.60-1.80, AVERAGE 1.72; SOYBEANS NO. 1 RANGE 5.35-5.65, AVERAGE 5.50; FEW REPORTED GR. SORGHUM #2 RANGE 2.60, AVERAGE 2.60, FEW REPORTED EAR CORN RANGE 66 00-90.00, AVERAGE 77.21.

SOUTH CENTRAL PENNSYLVANIA

CORN NO. 2-Y RANGE 2.80-2.29, AVERAGE 2.87; @WHEAT NO. 2 RANGE 3.35-3.50, FEW REPORTED 4.00, AVERAGE 3.42; BARLEY NO. 3 RANGE 1.80-2.20, AVERAGE 1.98; OATS NO. 2 RANGE 1.40-1.75, FEW REPORTED 1.20, AVERAGE 1.51; FEW REPORTED SOYBEANS NO. 1 RANGE 5.40-5.60, AVERAGE 5.47; FEW REPORTED EAR CORN RANGE 80 00-90 00, AVERAGE 83 83.

SOUTHEASTERN, CENTRAL & SOUTH CENTRAL SUMMARY

CORN NO. 2-Y RANGE 2.60-2 98, AVERAGE 2.85; @ WHEAT NO. 2-Y RANGE 3 20-4.20, AVERAGE 3.66, BARLEY NO 3 RANGE 1.80-2 20, AVERAGE 2 01; OATS NO. 2 RANGE 1 40-1 80, AVERAGE 1.65; SOYBEANS NO 1 RANGE 5 25-5.65, AVERAGE 5 45, FEW REPORTED EAR CORN RANGE 66.00-90 00, AVERAGE 78.62.

CENTRAL PENNSYLVANIA

CORN NO. 2-Y RANGE 2.80-2.95, AVERAGE 2.89; @WHEAT NO. 2 RANGE 3 20-3.90, FEW REPORTED 4.20, AVERAGE 3.51; BARLEY NO. 3 RANGE 1.80-2.20, AVERAGE 2.00, OATS NO 2 RANGE 1.40-1.90, AVERAGE 1.65; SOYBEANS NO. 1 RANGE 5.25-5.60, AVERAGE 5.36; FEW REPORTED GR. SORGHUM #2 RANGE 3 00, AVERAGE 3 00; FEW REPORTED PER HUNDRED WEIGHT RECLEANED 15% BUCKWHEAT RANGE 8.15, AVERAGE 8 15; FEW REPORTED EAR CORN RANGE 68 00-85.00, AVERAGE 76 67.

WESTERN PENNSYLVANIA

CORN NO 2-Y RANGE 2.50-2 88, AVERAGE 2 70, @WHEAT NO. 2 RANGE 2.80-3.90, AVERAGE 3.26; BARLEY NO. 3 RANGE 1.90-1.97, AVERAGE 1.94; OATS NO. 2 RANGE 1.45-1.70, FEW REPORTED 1.10, AVERAGE 1 53, FEW REPORTED SOYBEANS NO. 1 RANGE 5 35, AVERAGE 5.35; FEW REPORTED PER HUNDREDWEIGHT RECLEANED 15% BUCKWHEAT RANGE 9.00, AVERAGE 9.00; FEW REPORTED EAR CORN RANGE 55.00-56.00, AVERAGE 55 50.

MONTH AGO

CORN NO. 2-Y 2 80; @WHEAT NO. #2-Y 3.44; BARLEY NO. 3 1.95, OATS NO. 2 1.55; SOYBEANS NO. 1 5.43; FEW REPORTED EAR CORN 73.57.

YEAR AGO

CORN NO. 2-Y 2.42; @WHEAT NO. #2-Y 2.67; BARLEY NO. 3 2.03; OATS NO. 2 1.42; SOYBEANS NO. 1 5.57; FEW REPORTED EAR CORN 62.90.

Dewart Hay

Dewart, PA.
Monday, December 23, 1991
Report Supplied by Auction

14 LOADS HAY, 79.00-162.00.

STRAW: 4 LOADS, 91.00-99.00.

WOOD: 15 LOADS, 25.00-49.00 LOAD.

CORN: 2 LOADS, 86.00 AND 87.00.

Green Dragon Hay

Ephrata, Pa.
Friday, December 20, 1991
Report Supplied by Auction

TOTAL LOADS: 154.

MIXED HAY: 82.00-137.00.

ALFALFA: 98.00-152.00.

TIMOTHY: 121.00-142.00.

ORCHARD GRASS: 91.00-125.00.

STRAW: 55.00-107.00.

EAR CORN: 88.00-100.00.

OATS: 1.85 TO 2.05 BU.

FIREWOOD: 42.00-170.00 LOAD.

North Jersey Market

Hackettstown, N.J.
Tuesday, December 23, 1991
Hay—Straw & Grain Report

ALFALFA HAY: 2.60 AND 3.20 BALE.

MIXED HAY: 1.20-2.30 BALE.

TIMOTHY: 2.00 AND 2.10 BALE.

GRASS: 1.30 BALE.

SHELLED CORN: 6.75 BAG.

TOTAL: 16 LOTS.

Leinbach's Hay

Shippensburg, PA
December 21 and 24
Report Supplied by Auction

TOTAL LOADS: 91.

ALFALFA: 82.00-170.00.

MIXED HAY: 65.00-127.00.

TIMOTHY: 97.00-135.00.

BROME GRASS: 88.00-152.00.

ORCHARD GRASS: 75.00-122.00.

STRAW: 60.00-98.00.

EAR CORN: 81.00-119.00.

WOOD: 20.00-37.00 LOAD.

Kirkwood Hay Auction

Kirkwood, Pa.
Tuesday, Dec. 24, 1991
Report Supplied by Auction

56 LOADS OF HAY.

MIXED HAY: FIRST CUTTING 103.00-149.00, 2ND CUTTING 116.00.

TIMOTHY: 96.00-151.00.

ALFALFA: 1ST CUTTING 107.00; 2ND 127.00-142.00; 3RD CUTTING 112.00-144.00; 4TH 120.00.

CLOVER AND TIMOTHY MIX: 141.00.

CLOVER: 2ND CUTTING 120.00.

GRASS: 105.00-135.00.

WHEAT STRAW: 81.00-93.00.

BARLEY STRAW: 80.00-100.00.

OAT STRAW: 71.00-77.00.

MIXED STRAW: 66.00-83.00.

OATS: 2.00-2.15 BU.

WOOD: 40.00.

Vintage Hay

Paradise, PA
Thurs., December 26, 1991
Report Supplied by Auction

16 LOADS.

ORCHARD GRASS: 107.50.

MIXED GRASS: 97.00-136.00.

ALFALFA: 89.00-142.00.

WHEAT STRAW: 67.50-87.50.

BARLEY STRAW: 85.00.

Frederick Co. Hay

Buckeystown, Md.
Thursday, December 26, 1991
Report Supplied by Auction

43 LOADS. CLEAR, COLD; MARKET STEADY TO WEAK.

ALFALFA: 4 LOADS GOOD 135.00-157.00, 2 FAIR 72.00 AND 99.00.

ALFALFA MIX: 3 LOADS FAIR 92.00-105.00, 2 DARK 72.00 AND 82.00.

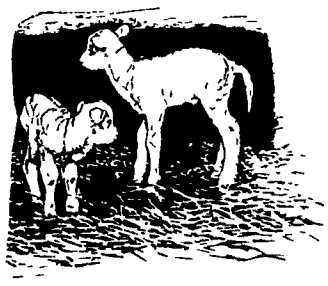
TIMOTHY: 8 LOADS FAIR TO GOOD, SOME DARK 70.00-120.00.

MIXED HAY: 3 LOADS FAIR 70.00-84.00.

ORCHARD GRASS: 3 LOADS GOOD 70.00-94.00, 1 DARK 55.00.

STRAW: 5 LOADS BRIGHT 70.00-85.00, 3 DARK 55.00-66.00.

FIREWOOD: 5 LOADS GOOD HARDWOOD 70.00-74.00 CORD, 3 LOADS MIXED WOOD 52.00-66.00 CORD.



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N.E. Weekly Shell Egg Report

Tuesday, December 24
Report Supplied by USDA

PRICES PAID PER DOZEN GRADE "A" BROWN EGGS IN CARTONS DELIVERED TO RETAIL STORES:

	EX. LARGE	LARGE	MEDIUM	SMALL
N. HAMP,	1.04-1.08	1.01-1.05	.85-.89	.51-.59
MOSTLY	1.06-1.07	1.03-1.04	.87-.88	.53-.54
RHODE ISLAND	1.11-1.15	1.07-1.11	.92-.96	.58-.62
MOSTLY	1.11	1.07	.92	.58
MAINE	1.17	1.13	.98	.62

National Egg Market

Dec. 24, 1991

Prices were unchanged to lower in the Northeast, and the Midwest, unchanged elsewhere. The market tone was cautiously steady to weak. Retail movement was moderate to excellent, mostly good. Wholesale trading was light, and generally at lower prices as most dealers attempted to minimize inventories. Supplies of cartoned eggs were close to adequate as last minute retail orders depleted graded floor stocks. Ungraded supplies were available. Breakers ran reduced schedules, and received adequate shell eggs from regular sources. Live hen offerings remained at least adequate for the limited slaughter schedules, and the undertone was barely steady to steady.

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Philadelphia Eggs

Thursday, December 26, 1991
Report Supplied by USDA

MARKET COMMENT: TRADE SENTIMENT WAS CONFUSED, AND STEADY TO WEAK. CARTONED EGG DEMAND WAS MODERATE TO EXCELLENT, MOSTLY GOOD. WHOLESALE DEMAND WAS LIGHT. FLOOR STOCKS WERE ADEQUATE, AND EXTRA EGGS WERE OFFERED AT SLIGHT DISCOUNTS. LIMITED GRADING TIME, AND THE DESIRE TO HAVE MINIMAL INVENTORIES AFTER THE HOLIDAYS, CURTAILED INTER-DEALER BUYING. EXTRA LARGE .74-.85, A LARGE .72-.83, A MEDIUM .60-.70.

New York And Philadelphia Frozen Eggs

Monday, December 24, 1991

The market tone was becoming increasingly cautious and nervous. Traders were closely watching related markets prior to making commitments. Raw materials were readily available but further processors were showing no interest. FLoor stocks were fully adequate to ample for the current light buyer interest.

WHOLESALE SELLING PRICES (CENTS PER POUND IN 30 LB. CONTAINERS) TRUCKLOTS LTL (MIN. 25 CONT.) RANGE MOSTLY RANGE WHOLE 51-54 52-53 55-60 BLEND (/) 61-70 WHITES 36-39 37-38 39-48 SUGARED YOLKS (MIN 43% SOLIDS) 62-66 63-64 67-77 SALTED YOLKS (MIN 43% SOLIDS) 58-62 59-60 62-69 (/) - WHOLE PLUS YOLK PLUS SWEETENER, GENERALLY 28-32% EGG SOLIDS.

Delmarva Broiler Fryer

Dec. 24, 1991

Movement of ready-to-cook broiler fryers was generally fair. Supplies were in good balance with current trade needs. Less than trucklot asking prices were steady at 45 - 57 cents. Live supplies were adequate. Average live weights were in a full range. Processing schedules were very light. Trade sentiment was steady to instances fully steady. In the parts complex, supplies of all items were adequate and clearing.

ESTIMATED SLAUGHTER OF BROILER/FRYERS IN DELMARVA (000)

ESTIMATED ACTUAL AVG. WEIGHT ACTUAL AVG. WEIGHT
12/24 12/20 12/20 12/17 12/13
826 2,158 4.61 2,157 4.65

BROILER/FRYER CURRENT NEGOTIATED PRICES FOR IMMEDIATE DELIVERY INCLUDES MOSTLY MULTIPLE-DROP SHIPMENTS OF BRANDED AND WING TAGGED TO NEW YORK CITY FROM DELMARVA

BRANDED U.S. GRADE A RANGE 44-57 WEIGHTED AVERAGE 50.19 NO. OF BOXES 9,494

Eastern NJ & PA Poultry

Dec. 24, 1991

Trading too light and scattered to report prices. Demand is moderate and unaggressive due mostly to seasonal down- time. Offerings are at least adequate to satisfy next week's reduced schedules. Undertone about steady.

CENTS PER LB., GENERALLY FOR SLAUGHTER THE FOLLOWING WEEK.

HEAVY TYPE (7 POUNDS AND UP) * AT FARM BUYER LOADING TOO FEW TO REPORT FOB PLANT TOO FEW TO REPORT

LIGHT TYPE AT FARM BUYER LOADING TOO FEW TO REPORT FOB PLANT TOO FEW TO REPORT

* WEIGHTS UNDER 7 LBS. SUBJECT TO DISCOUNT.

New England Shell Eggs

Dec. 24, 1991

NEW ENGLAND:

Prices paid to producers were lower, and prices to retailers were unchanged to lower. Trade sentiment was cautiously steady to weak. Retail demand was moderate to good, mostly good. Supplies were adequate to instances close where last minute orders depleted graded floor stocks, or long where ungraded accumulated.

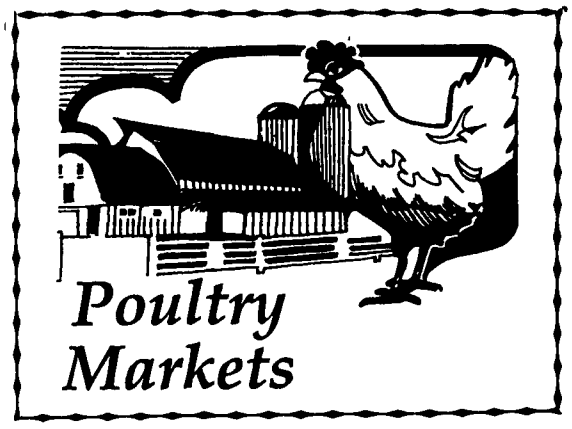
PRICES PAID TO PRODUCERS, CASES EXCHANGED, GRADE YIELD BASIS, BROWN EGGS LOOSE, AT FARM, CENTS PER DOZEN.

RANGE JUMBO 87-90 EXTRA LARGE 78-81 LARGE 75-78 MEDIUM 59-62 SMALL 25-28

BOSTON:

PRICES TO RETAILERS, SALES TO VOLUME BUYERS, USDA GRADE A AND GRADE A, BROWN EGGS IN CARTONS, DELIVERED STORE DOOR, CENTS PER DOZEN.

RANGE EXTRA LARGE 101-105 LARGE 97-101 MEDIUM 82-86



Weekly New York Egg Market Northeast Quotes

From Fri., December 20 to Thurs., December 26

	FRI.	MON.	TUES.	WED.	THURS.
WHITE					
JUMBO	.94	.92	.88	C	.85
EX. LARGE	.92	.90	.86	L	.83
LARGE	.87	.85	.81	O	.78
MEDIUM	.75	.73	.69	S	.66
PULLETS	.64	.62	.58	E	.55
OFF GRADE	.75	.73	.69	D	.66
BROWN					
EXTRA LARGE	.99	.97	.94		.94
LARGE	.94	.92	.89		.89
MEDIUM	.84	.82	.79		.79
OFF GRADE					
UNDERGRADES					
AND CHECKS	.29	.28	.26		.24

BREAKING STOCKS: FRI. 48-50 LBS. 42.00-44.00, 50 LBS. AND UP 44.00-45.00; MON. 48-50 LBS. 41.00-42.00, 50 LBS. AND UP 42.00-43.00; TUES. 48-50 LBS. 39.00-40.00, 50 LBS. AND UP 40.00-41.00; THURS. 48-50 LBS. 37.00-38.00, 50 LBS. AND UP 38.00-40.00.

Includes New York City Metropolitan area, Northern New Jersey, Massachusetts, Connecticut and Rhode Island.

N.E. Chicken Parts

Dec. 24, 1991

Supplies of boneless skinless breasts were short of buyer inquiries. Light fill-in trading was reported at steady prices; however shipper asking prices for late week production trended higher. The trade sentiment was firm. Supplies of line run breasts were irregularly distributed but generally barely adequate to short of trade inquiries. The undertone was firm. Leg quarters and wings were balanced with demand at unchanged prices.

TODAY'S NEGOTIATED SALES AS OF 11:30 A.M., 24-DEC-91 PRICES PAID PER POUND, ICE PACKED PARTS DELIVERED IN POOL TRUCKLOT AND TRUCKLOT QUANTITIES

ITEM CURRENT NEGOTIATED TRADING

BREAST - BONELESS SKINLESS 155-160 BREAST - WITH RIBS 70-71 BREAST - LINE RUN 69 LEGS 34-35 LEG QUARTERS 23-24 THIGHS 33-34 DRUMSTICKS 28-29 WINGS 54-55 BACKS AND NECKS (STRIPPED) 10-12 LIVERS 15-20 GIZZARDS (HEARTS) 45-50

Hackettstown Poultry & Egg

Hackettstown, N.J.
Tuesday, December 23, 1991
Report Supplied by Auction

HEAVY FOWL: .45-.90.
LEGHORN FOWL: .30.
GEESE: .15-.20.
BANTAMS, PER LB.: 1.00-2.00.
BUNNIES: .50-1.00 EACH.
ROOSTERS: .70-1.40.
TURKEYS: .20-.70.
DUCKS: .45-1.00.
RABBITS: .25-1.85.
PIGEONS, BY LB. 1.00-1.30.
GUINEAS: 1.10-1.20.

WHITE EGGS: EXTRA LARGE & JUMBO .55-.85; LARGE .45-.80; MEDIUM .35-.63.

BROWN EGGS: EXTRA LARGE & JUMBO .85-.92; LARGE .60-.81; MEDIUMS .60.

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Heinsey's Poultry
Roots, East Petersburg
Tuesday, December 17, 1991
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WALTER H. RISSER, Proprietor

Central U.S. Carlot

Pork Report
December 24, 1991
Report supplied by USDA

CENTRAL U.S. CARLOT PORK REPORT FOB OMAHA BASIS INCLUDES MAJOR PRODUCTION AREAS IN MIDWEST AS OF 3 P.M. COMPARED MONDAY'S 3:00 P.M. CLOSE: FRESH RETAIL PORK STEADY; SKND. HAMS 17-20 LBS. 2.00-3.00 LOWER, 20-26 LBS. STEADY TO 1.00 LOWER; SDLS. BELLIES STEADY IN NARROW TEST. MARKET ACTIVITY SLOW, WITH LIGHT TO MODERATE DEMAND AND OFFERINGS.

35.0 LOADS PORK CUTS
21.0 LOADS TRIM/PROCESS

PORK CUTS

LOINS, REG., FRESH

14-18 LBS., * 3.5 LOADS, RANGE 89.00-97.00, WGHTD. AVG. 92.43.

¼" TRIM 14-18 LBS., 3.5 LOADS, RANGE 109.00-117.00, WGHTD. AVG. 112.43.

18-22 LBS., RANGE 81.00, WGHTD. AVG. 81.00 D.

¼" TRIM 18-22 LBS., RANGE 102.00, WGHTD. AVG. 102.00 D.

COMBOS 22 LBS. AND UP, RANGE 55.00, WGHTD. AVG. 55.00 A.

LOIN,BLS CTRCT

5-7 LBS., RANGE 202.00, WGHTD. AVG. 202.00 A.

BNLS SIRLOIN .75-1 LB.

RANGE 144.00, WGHTD. AVG. 144.00 A.

TENDERLOIN 1.25/DN LBS.

RANGE 369.00, WGHTD. AVG. 369.00 B.

PICNIC, FRESH (COMBOS) FOR SMOKER TRIM,RS

RANGE 46.00, WGHTD. AVG. 46.00 C.

COMMODITY 4-8 LBS.

RANGE UNQUOTED.

BOSTON BUTT

4-8 LBS. *, 1.5 LOADS, RANGE 58.00-59.00, WGHTD. AVG. 58.33.

¼" TRIM 4-8 LBS., 1.5 LOADS, RANGE 76.00-77.00, WGHTD. AVG. 76.33.

COMBOS 8/UP LBS., RANGE 49.00, WGHTD. AVG. 49.00 B.

SPARERIBS, FRESH

1.5-3.5 LBS., RANGE 92.00, WGHTD. AVG. 92.00 A.

3.5-5.5 LBS., RANGE 72.00, WGHTD. AVG. 72.00 B.

SPARERIBS, FROZEN

5.5 AND UP LBS., RANGE 41.00, WGHTD. AVG. 41.00 c.

LOIN BACKRIB (BOXED) FRSH/FRZN

1.5/DN#, RANGE 216.00-230.00, WGHTD. AVG. 223.00 D.

1.75/DN#, RANGE 200.00-205.00, WGHTD. AVG. 202.50 D.

1.75-2.00#, UNQUOTED.

2.00 AND UP LBS., UNQUOTED.

LOIN BACKRIB (BOXED) FRSH/FRZN 1.75 AND DOWN LBS.

RANGE 198.00, WGHTD. AVG. 198.00 C.

HAM, SKINNED, SELECTED

FRESH 17-20 LBS., 6.0 LOADS, RANGE 57.00-58.00, WGHTD. AVG. 57.50.

FRESH 20-26 LBS., 16.0 LOADS, RANGE 55.00-57.00, WGHTD. AVG. 56.00.

HAM, SKINNED, COMMODITY

FRESH 14-17 LBS., UNQUOTED.

FRESH 17-20 LBS., RANGE 61.00, WGHTD. AVG. 61.00 B.

FRESH 20-26 LBS., RANGE 56.00, WGHTD. AVG. 56.00 B.

FRESH 26-32 LBS., RANGE 50.00, WGHTD. AVG. 50.00 B.

FRESH 32 LBS. AND UP, RANGE 48.00, WGHTD. AVG. 48.00 A.

HAM, SKINNED, COMMODITY

FROZEN 14-17 LBS. UNQUOTED.

FROZEN 17-20 LBS. UNQUOTED.

BELLY, SDLS, SKIN-ON, FRESH

FRESH 10-12 LBS., 1.0 LOAD, RANGE 26.00, WGHTD. AVG. 26.00.

FRESH 12-14 LBS., 1.0 LOADS, RANGE 30.00, WGHTD. AVG. 30.00.

FRESH 14-16 LBS., 1.0 LOADS, RANGE 30.00, WGHTD. AVG. 30.00.

FRESH 16-18 LBS., 2.0 LOADS, RANGE 25.00-26.00, WGHTD. AVG. 25.50.

FRESH 18-20 LBS., 0.5 LOADS, RANGE 23.00, WGHTD: AVG. 23.00.

FRESH 20-25 LBS., 2.5 LOADS, RANGE 17.00-18.00, WGHTD. AVG. 17.20.

PORK TRIMMINGS/ BONELESS PROCESSING PORK (CHEMICAL LEAN)

COMBO 42% FRESH, 7.5 LOADS, RANGE 14.00-15.00, WGHTD. AVG. 14.40.

BOXED 42% FROZEN, RANGE 19.00, WGHTD. AVG. 19.00 E.

COMBO 72% FROZEN, 4.5 LOADS, RANGE 44.00-45.00, WGHTD. AVG. 44.67.

BOXED 72% FROZEN, RANGE 46.00, WGHTD. AVG. 46.00 A.

PICNIC CUSHION MEAT

COMBO 92% FRESH, RANGE 135.00, WGHTD. AVG. 135.00 D.

BOXED 92% FROZEN, UNQUOTED.

BONELESS PICNIC MEAT

COMBO 72% FRESH, 9.0 LOAD, RANGE 46.00, WGHTD. AVG. 46.00.

BOXED 72% FROZEN, RANGE 46.00, WGHTD. AVG. 46.00 A.

SKINNED JOWLS

COMBO FRESH, RANGE 12.00, WGHTD. AVG. 12.00 A.

BOXED FROZEN, RANGE 17.00, WGHTD. AVG. 17.00 D.

NOTE! (*) REFLECTS ¼" TRIMMED PRODUCT BROUGHT BACK TO A REGULAR COMMODITY BASIS.

ABCDE AFTER QUOTES REPRESENTS DAYS SINCE LAST ACTUAL MARKET TEST. QUOTES ARE DROPPED AFTER 5 DAYS OF NOT TEST OR BEFORE IF THEY NO LONGER REFLECT CURRENT MARKET CONDITIONS.

PORK CARCASS CUTOUT WED., DEC. 24

ESTIMATED GROSS CUTOUT VALUES OF A 175 LB. HOG CARCASS BASED ON USDA CUTTING YIELD TESTS AND CARLOT PRICES. WEDNESDAY'S CARCASS GRADES & PRICES PER CWT.:

US #1 54.77, CHANGE FROM MONDAY'S VALUE -0.49; US#2 52.89, CHANGE FROM MON. VALUE -0.47; US#3 51.02, CHANGE FROM MON. -0.44; US#4 49.14, CHANGE FROM MON. -0.42.

TODAY'S CALCULATIONS FOR US #2 175 LB. PORK CARCASS:

HAM, SKINNED, 14-20 LBS., 21.01% OF CARCASS, 57.50 FOB VALUE, CHANGE FROM TUES. -2.50; LOINS, ¼" TRIM, 14-22 LBS., 20.33% OF CARCASS, 110.00 FOB VALUE, CHANGE FROM TUES. -0.50.

BELLIES, SDLS, 12-14 LBS., 13.90% OF CARCASS, 29.00 FOB VALUE; SPARERIBS, 3.5DN LBS., 3.03% OF CARCASS, 92.00 FOB VALUE.

PICNICS, 8-12 LBS., 10.31% OF CARCASS, 31.25 FOB VALUE, CHANGE FROM TUES. 1.25; BUTTS, ¼" TRIM, 4-8 LBS., 7.25% OF CARCASS, 76.00 FOB VALUE.

JOWL, 2.85% OF CARCASS, 12.00 FOB VALUE; NECKBONES, 1.52% OF CARCASS, 12.00 FOB VALUE.

FEET, 1.05% OF CARCASS, 12.75 FOB VALUE; TAILS, 0.22% OF CARCASS, FOB VALUE 21.00.

TRIM 72%, 2.19% OF CARCASS, 44.50 FOB VALUE, CHANGE FROM TUES. 1.25; LARD, 10.85% OF CARCASS, 11.25 FOB VALUE.

TOTAL CARCASS 94.51%. US#2 CARCASS VALUE PER CWT. 52.89.

NOTE: VALUE MAY CHANGE WITHOUT ADEQUATE TEST.

NOTICE: ALL CLOSING MEAT REPORTS WILL BE ISSUED AT 12 NOON ON DEC. 31, 1991.

Central U.S. Carlot

Beef Report
December 24, 1991
Report supplied by USDA

CENTRAL U.S. CARLOT BEEF REPORT (INCLUDES THE MAJOR PRODUCTION AREAS IN THE MIDWEST AND TEXAS) AS OF 3 P.M. COMPARED TO TUESDAY'S 3 P.M. REPORT: COMPARED TO MONDAY'S 3 P.M. REPORT: COW CARCASSES NOT TESTED; BULL 1.00 HIGHER THAN LAST TEST. DEMAND AND OFFERINGS LIGHT.

COW & BULL CARCASSES FOB OMAHA BASIS 2 LOADS REPORTED

UT,BRK 2-4, 450 & UP, LATEST ESTB. MKT. 81.00-82.50 C.

UT,BNG 1-3, 400 AND UP, LATEST ESTB. MKT. 84.50 C.

CUTTGER 1-2, 350 & UP, LATEST ESTB. MKT. 93.00-94.00 B.

BULLS 500/UP, YG 1, 2 LOADS, RANGE 102.00, LATEST ESTB. MKT. 102.00.

BONELESS PROCESSING BEEF/ BEEF TRIMMINGS 12.5 LOADS REPORTED

FRESH 90% BONELESS BEEF FIRM IN A THIN TEST. DEMAND AND OFFERINGS LIGHT. BEEF TRIMMINGS STEADY TO WEAK ON LIGHT DEMAND AND OFFERINGS ON PRE-HOLIDAY TRADING.

FOB OMAHA BASIS

90%FR, 1 LOAD, RANGE 129.5, WT. AVG. 129.50.

90%FZ, UNQUOTED.

85%FR, UNQUOTED.

85%FZ, UNQUOTED.

75%FR, RANGE 93.00, WT. AVG. 93.00 D.

75%FZ, UNQUOTED.

65%FR, RANGE 72.50, WT. AVG. 72.50 D.

65%FZ, UNQUOTED.

50%FR, 10 LOADS, RANGE 38.00-38.50, WT. AVG. 38.15.

50%FZ, UNQUOTED.

50%BX, UNQUOTED.

BULL: 92-94, 0.5 LOADS, RANGE 146.00, WT. AVG. 146.00.

FOB EAST TEXAS AND OKALHOMA

90%FR, 1 LOAD, RANGE 131.00, WT. AVG. 131.00 D.

90%FZ, RANGE 133.00, WT. AVG. 133.00 D.

85%FR, UNQUOTED.

85%FZ, UNQUOTED.

75%FR, UNQUOTED.

75%FZ, UNQUOTED.

65%FR, UNQUOTED.

65%FZ, UNQUOTED.

BULL: 92-94 UNQUOTED.

CAF NORTHEAST AREAS

90%FR, RANGE 130.00-131.00, WT. AVG. 130.50 D.

90%FZ, UNQUOTED.

85%FR, 3 LOADS, RANGE 120.50, WT. AVG. 120.50 D.

85%FZ, UNQUOTED.

75%FR, UNQUOTED.

75%FZ, UNQUOTED.

65%FR, UNQUOTED.

65%FZ, UNQUOTED.

ABCDE AFTER QUOTES REPRESENTS DAYS SINCE LAST ACTUAL MARKET TEST. QUOTES ARE DROPPED AFTER 5 DAYS OF NO TEST OR BEFORE IF THEY NO LONGER REFLECT CURRENT MARKET CONDITIONS.

NOTICE: ALL CLOSING MEAT REPORTS WILL BE ISSUED AT 12:00 NOON ON DECEMBER 31, 1991.

C.B. HOOBER & SON, INC.
Intercourse, PA
(717) 768-8231

HOOBER
TWO LOCATIONS

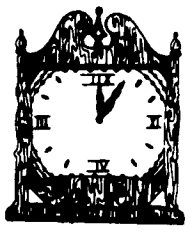
HOOBER EQUIPMENT, INC.
Middletown, DE
(302) 378-9555

The Saving Place.

HAPPY NEW YEAR FROM ALL OF US IN THE PARTS DEPARTMENT

C.B. HOOBER & SON INC.:
PARTS MANAGER - RICHARD BOMBERGER
ASS'T. PARTSMAN - KEVIN THRUSH
PARTSMAN - ROY WEAVER
PARTSMAN - JOHN STONER
PARTSMAN - AL YODER
ROAD SALESMAN - KENNETH BEILER
ROAD SALESMAN - CARL HERSHEY
PARTSMAN - RAY SHISSLER
PARTSMAN - DICK SKETHWAY
PARTSMAN - BRIAN HORST
PARTSMAN - ROBERT GROFF
PARTSMAN - EARL WALKER
PARTSMAN - ROBERT BOOK
STOCKMEN - JOHN YODER, LLOYD GROFF, SANFORD HERSHEY

By Service We Grow



HOOBER EQUIPMENT INC:
PARTS MANAGER - MIKE NULL
ROAD SALESMAN - MARK LOCKWOOD
ROAD SALESMAN - SAM NULL
PARTSMAN - SALLY AIKEN
PARTSMAN - ALLEN RHODES
PARTSMAN - STEVE HANIFEE
PARTSMAN - LARRY MOORE
PARTSMAN - DAVE NEUGEBAUER
PARTSMAN - TOM FALSON
STOCKMAN - LEE HURLOCK
STOCKMAN - CHRIS WILLIAMS

Thank You For Your Patronage In 1991. We Look Forward To Serving Your Parts Needs In 1992!

WE SHIP PARTS DAILY Via -FED EX-UPS-PPSH-BUS-AIR FREIGHT, ETC.

HOURS
Mon.-Fri. 7 AM-5 PM; Sat. 7 AM-Noon

CALL US...
It Could Be We Have It

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Authorized UPS Station

A & C Diffenbach Auction Inc.
100 West Jackson Street • Box 186 • New Holland, Pennsylvania 17557
Office: (717) 355-7253 • FAX: (717) 355-9547

HAY & GRAIN SALE EVERY MONDAY - 10:00 A.M.

WED.,	JAN. 8	WINROSS TRUCK & TOYS	6:30 P.M.
FRI.,	JAN. 10	FARM EQUIPMENT & SUPPLIES	9:00 A.M.
TUES.,	JAN. 28	QUILT, CRAFT & BUGGY	9:00 A.M.
WED.,	JAN. 29	QUILT, CRAFT	9:00 A.M.

EQUIPPED FOR AN AUCTION AT YOUR PLACE OR OURS
ALAN DIFFENBACH AUCT. - AU2258-L

AUCTION PARADISE TOBACCO SALES AUCTION

Ph. 717-687-0990

PENNSYLVANIA 609 TOBACCO MARKET
High - $1.60/lb. Low - $.85/lb.

First Sale of the New Year - Mon., Jan. 6 - 10:00 a.m.

Please call and schedule your tobacco either when picked up or delivered.
Receiving Tobacco Thurs., Fri., Sat., And Morning Of Sale.
Ask for Mitch White About Trucking!
3 Or 4 Trucks Available.

PLEASE WATCH YOUR MOISTURE!!!
You need to grade your tobacco. We want to present an honest neat package. No nesting.

3 Compartment bale box on stock for lease or sale. Lathe holders for sale. If you need a representative to visit you, please call.

Happy New Year & We Hope For Better Prices

PARADISE TOBACCO SALES
717-687-0990
We Are Dedicated To The Farm Community!
OUR BIGGEST CONCERN IS YOUR TOBACCO MARKET!

Eighty-Four Livestock

Eighty-Four, PA
Dec. 23, 1991

MERRY CHRISTMAS AND A HAPPY NEW YEAR!

CATTLE 156... PDA ...Compared with last weeks market: Slaughter cows .50 to 1.00 lower. Few Select slaughter steers 60.00-62.50, few Standard 54.00-57.00. Choice sl. heifers 64.00-67.50, few Select 57.50-62.00, few Standard 53.00-55.50, Utility 48.00-50.00. Breaking Utility and Commercial sl. cows 45.00-48.00, couple high yielding 50.00, one high yielding Commercial 53.00, Cutter and Boning Utility 43.50-47.50, Canner and low Cutter 37.00-43.50, Shells down to 18.00. Few Yield Grade No. 1, 1300/1650 lbs. sl. bulls 53.00-61.50, Couple No. 2, 1345 & 1600 lbs. 45.00 & 51.50. Feeder Cattle: Medium Frame No. 1, 350/450 lbs. steers 70.00-83.00. Medium Frame No. 1, 310/450 lbs. heifers 59.00-74.00. Few Medium Frame No. 1, 550/660 lbs. bulls 65.00-73.00, Medium Frame No. 2, 500/750 lbs. 53.00-64.00.

CALVES 166...Standard and Good 90/120 lbs. vealers 60.00-74.00, 60/85 lbs. 45.00-60.00, few Utility 45/55 lbs. 39.00-47.00. Farm Calves: Holstein Bulls #1, 90/125 lbs. 140.00-170.00, No. 2, 80/115 lbs. 90.00-144.00; No. 1, 80/125 lbs. Hol Heifers 90.00-160.00. Beef cross 80/115 lbs. bulls and heifers 80.00-140.00.

HOGS 146...Barrows and Gilts: .50 to 1.00 higher. US No. 1-2 225/250 lbs. barrows and gilts 38.50-40.75, 1-3 210/260 lbs. 37.00-38.25, 2-3 230/245 lbs. 36.00-36.75, lot 1-3 103 lbs. 44.50. Few US No. 1-3 300/500 lbs. sows 30.00-35.00, few 2-3 400/600 lbs. 26.00-30.00. Few Boars 24.00-28.00.

FEEDER PIGS 27...US No. 1-3 30/40 lbs. feeder pigs 22.00-24.00, 47/75 lbs. 32.00-40.00, lot 2-3 27 lbs. 15.50. - per head.

SHEEP 66...WOOLED SLAUGHER LAMBS:...High Choice & Prime 85/105 lbs. wooled lambs 54.00-58.00; Choice 80/100 lbs. 49.00-53.50; few Good & Choice 55/70 lbs. feeder lambs 43.00-50.00. Few Slaughter sheep 12.00-20.00. - all Cwt.

GOATS 9...Large 44.00-60.00, few Medium 30.00-40.00. - all per head.

New Wilmington Livestock

N. Wilmington, PA
Dec. 23, 1991

MERRY CHRISTMAS AND A HAPPY NEW YEAR!

CATTLE 133...PDA...Compared with last weeks market: Few Breaking Utility & Commercial sl. cows 46.00-46.25, Cutter & Boning Utility 43.00-46.50, Canner & Low Cutter 36.50-43.00, Shells down to 24.00. Yield Grade No. 1, 1145/1580 lbs. sl. bulls 55.00-59.50. FEEDER CATTLE: Few Medium and Large Frame No. 1, 330/610 lbs. steers 73.00-77.00; few Medium and Large Frame No. 1, 335/430 lbs. heifers 70.00-83.00, few Medium Frame No.1, 840/940 lbs. 47.50-53.00; few Large Frame No. 2, 440/610 lbs. Holstein bulls 43.50-60.00.

CALVES 292... Supply included 70% sold to return to the farm. Few Good vealers 80.00-87.50, Standard & Good 85/125 lbs. 40.00-60.00, 60/80 lbs. 20.00-40.00, lot Utility 50 lbs. 10.00. Farm Calves: Hol. Bulls No. 1, 90/135 lbs. 80.00-149.00, lot 85 lbs. 60.00, #2, 90/125 lbs. 50.00-80.00; No. 1, Hol. Heifers 90/125 lbs. 80.00-132.50, few 75/90 lbs. 45.00-80.00. Beef cross 70/120 lbs. bulls and heifers 50.00-110.00.

HOGS 312...Barrows and gilts: Mostly 1.00 lower. US No. 1-2 230/260 lbs. 39.00-39.50, small lot 40.50, 1-3 225/260 lbs. 38.00-39.00, 2-3 225/260 lbs. 37.00-38.00, 1-3 205/220 lbs. 32.00-35.00. SOWS: Steady to weak. US No. 1-3 290/580 lbs. sows 25.00-31.00. Boars 18.00-25.00.

FEEDER PIGS 116...US No. 1-3 20/35 lbs. feeder pigs 11.00-18.00, 35/50 lbs. 18.00-30.00, 60/90 lbs. 26.00-32.00. --- all per head.

SHEEP 65...WOOLED SLAUGHTER LAMBS:...Few High Choice and Prime 80/85 lbs. wooled slaughter lambs 56.00-61.00, Choice 75/110 lbs. 39.00-47.00; Good & Choice 40/75 lbs. feeder lambs 50.00-62.50. Slaughter sheep 9.00-17.00. - all cwt.

GOATS 5...Few Medium and Large 40.00-76.00, couple Small 18.00 & 30.00. --- all per head.

Peoria Cattle

Peoria, IL
Dec. 23, 1991

CATTLE: 400 TRADING MODERATE. COMPARED WITH LAST MONDAY FEW SALES OF SLAUGHTER STEERS AND HEIFERS 2.00 TO 2.50 LOWER IN A VERY LIGHT PRE-HOLIDAY TEST. COWS MOSTLY 2.00 HIGHER. BULLS STEADY. SUPPLY MAINLY SELECT SELECT TO AVERAGE CHOICE SLAUGHTER STEERS AND HEIFERS WITH ABOUT 20% COWS.

SLAUGHTER STEERS:

FEW CHOICE 2-4 1050-1200 LBS. 65.00 MIXED SELECT & CHOICE 2-3 1000-1300 LBS. 62.00-64.50 SELECT 2-3 950-1150 LBS. 59.00-62.00

HOLSTEIN STEERS: CHOICE 2-3 1150-1350 LBS. 61.00-63.00 SELECT 2-3 1100-1300 LBS. 59.00-61.00

SLAUGHTER HEIFERS: CHOICE 2-4 950-1150 LBS. 64.00-65.00 MIXED SELECT & CHOICE 2-3 900-1100 LBS. 60.50-63.50 SELECT 2-3 800-1100 LBS. 58.00-60.50

COWS: BREAKING UTILITY & COMMERCIAL 2-4 39.00-43.00 CUTTER & BONING UTILITY 2-3 42.00-47.00 FEW HIGH DRESSING 48.00-50.00 CANNER & LOW DRESSING CUTTER 1-2 33.00-38.00

BULLS: YG 1-2 1100-2000 LBS. 50.00-64.00

CATTLE 214

AB 65.00-65.00 AC 64.00-65.00 AE 65.00-65.00 AF 64.00-6.500 AI 59.00-61.00 AJ 60.00-62.00 BA 64.00-65.00 BB 63.00-64.50 BC 64.00-65.00 BD 63.00-64.50 BF 58.00-59.50 BG 58.50-60.50 BK 39.00-41.00 BL 41.00-43.00 BM 42.00-50.00 BN 35.00-38.00 BO 33.00-36.00 BQ 50.00-64.00 BS 50.00-64.

DUE TO THE CLOSING OF THE MARKET NEWS OFFICE AT THE PEORIA UNION STOCKAYRDS THIS REPORT WILL NO LONGER BE AVAILABLE AFTER JANUARY 15, 1992.

Some markets not available due to the holiday

Diffenbach Auction Center

New Holland, Pa.
Monday, Dec. 23, 1991
Report Supplied by Auction

TOTAL LOADS: 195.
ALFALFA: 85.00-180.00.
MIXED HAY: 64.00-159.00.
TIMOTHY: 95.00-150.00.
CLOVER: 106.00-130.00.
ORHARD GRASS: 92.00-110.00.
STRAW: 57.00-145.00.
EAR CORN: 75.00-97.00.
CORN FODDER: 57.00.
OATS: 2.30-2.35 BU.

This sale was formerly held at the New Holland Sales Stables. It is now held at Diffenbach's New Holland Auction Center Ltd., 100 W. Jackson St., New Holland, across from the prior sale location. Auction time is 10.00 a.m. Monday.

Valley Stockyards

Athens, Pa.
Monday, December 23, 1991
Report supplied by auction

HOLSTEIN HEIFER CALVES TO 165.00.

VEAL CALVES, NO TOP VEALS.

VEALER BULL CALVES TO 165.00.

SLAUGHTER CALVES 65.00 AND DOWN.

GRASSERS & FEEDERS 40.00-60.00.
LAMBS BABIES TO 100.00.
WOOLED LAMBS TO 55.00.
SHEEP 12.00-24.00.
HOGS 200-250 LBS. 37.00-41.00.
SOWS 22.00-25.00.
BOARS 20.00-22.00.
PIGS PER LB. 40.00-60.00.
HEIFERS 46.00-52.00.
MEDIUM STEERS 47.00-54.50.
FEEDER STEERS 46.00-65.00.
BULLS 46.00-54.50.

GOOD COWS 46.00-49.00, FEW 50.00-51.00.

COWS MEDIUM 42.00-45.00.

COWS POOR OR SMALL 38.00 AND DOWN.

HORSES SMALL TO 410.00.
PONIES TO 240.00.
GOATS TO 57.50.

CATTLE MARKET MORE ACTIVE; CALF MARKET SMALL CALVES CHEAP; MARKET PRICES COULD BE HIGHER NEXT WEEK.

SHEARSON LEHMAN BROTHERS

FORNEY LONGENECKER
SECOND VICE PRESIDENT / FINANCIAL CONSULTANT
COMMODITIES

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SUITE 200
LANCASTER, PA 17602

717 295 8914 800 342 7033 PA
800 441 1997 US

GOOD FARMS
RECEIVING STATION

- Market Hogs
- Sows
- Boars
- Pigs

NOW RECEIVING:
Mon. 6:30-11 a.m.
Sat. 6:30-10 a.m.

HATFIELD
Hatfield Quality Meats

Rt. 897 - 1 mile North of Fivepointville
(215) 445-5776 • FAX (215) 445-6099

HORSE SALE
JAN. 3, 1992
10:00 A.M.
300-350 HEAD

NEW HOLLAND SALES STABLES INC.
THE ACTION AUCTION

FREE
Pork & Sauerkraut Dinner
Wednesday Dairy Sale
Jan. 1, 1992

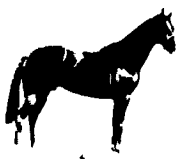
LIVESTOCK IS OUR ONLY BUSINESS

MONDAY

SLAUGHTER HOGS

EARLY BIRD HOG SALE
8:00 A.M.
Sell Your Hogs At New Holland Sales Stables, Inc. See them weighed, sold and pickup your check.

10:00 AM



HORSES
MULES

1:30 PM
BEEF SALE

SHEEP
GOATS
CALVES

WEDNESDAY

HEIFER SALE
11:00 AM
COW SALE 12:00 NOON

HEIFERS
BULLS

DAIRY COWS

We have the usual run of 50 to 100 Heifers, all ages.
Loads of fresh cows and springers from our regular shippers.
Also some local fresh cows and springers.

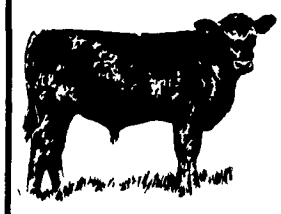
1:30 P.M.
FEEDER PIG SALE

Pigs are accepted after 6:30 A.M. State graded from 8 to 12 Dairy Barn and Feeder Pig Barn are cleaned and disinfected weekly for your protection.

THURSDAY

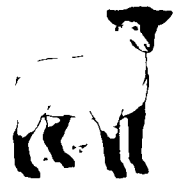
Beef Auction
10:00 A.M.

BULLS
STEERS
BEEF COWS



1:00 P.M.
STOCKERS
&
FEEDERS

12:00 NOON



SHEEP
GOATS
CALVES

NEW HOLLAND SALES STABLES, INC.
12 Miles East of Lancaster Off Route 23, New Holland, Penna.

MANAGERS
Norman & David Kolb - 717-397-5538

Field Representatives
Luke Eberly - 215-267-6608 738-1865
Homer Eberly - 215-267-3047
Ron Ranck - 717-656-9849

Sale Barn Office Manager
Roger Floyd - 717-354-4341
FAX # 717-355-0706

Order Buyer
Paul Good - 215-445-6662

Dewart Livestock
Dewart, PA
Dec. 23, 1991

MERRY CHRISTMAS AND A HAPPY NEW YEAR!

CATTLE 82...PDA...Compared with last weeks market: Slaughter cows about steady. Individual 1300 lb. Choice sl. steer 66.00, one Select 63.00. Couple Select Holstein sl. heifers 57.75 & 62.25. Few Breaking Utility and Commercial slaughter cows 46.50-48.50, Cutter and Boning Utility 46.50-51.00, couple 54.50, Canner and Low Cutter 39.00-44.50, Shells down to 34.50.

CALVES 169...Standard and Good 70/95 lbs. vealers 60.00-65.00, Utility 50/75 lbs. 45.00-55.00. FARM CALVES: No. 1, 90/130 lbs. Holstein bulls 150.00-177.50, No. 2, 80/120 lbs. 67.50-120.00; few No.1, 90/110 lbs. Holstein heifers 120.00-145.00. Few beef cross 75/150 lbs. bulls and heifers 70.00-130.00.

HOGS 28...BARROWS & GILTS: Small lot 1-3 212 lbs. barrows and gilts 38.00. US 1-3 380/615 lbs. sows 25.75-30.00. Few Boars 22.50-30.00.

FEEDER PIGS 83...Few Lots US No. 1-3 20/40 lbs. feeder pigs 24.00-33.00, lot 75 lbs. 43.00. --- all per head.

SHEEP 3...Two Choice 110 & 120 lbs. wooled sl. lambs 45.00 & 50.00. - all cwt.

GOATS 0...No market test. - per head.

National Grain Market
St. Joseph, MO
Dec. 24, 1991

CHRISTMAS CONTINUES FOR WHEAT GROWERS BUT CORN, SORGHUM, AND SOYBEANS PRICES LOWER IN HOLIDAY SHORTENED TRADING SESSION TUESDAY. WHEAT STEADY TO 2 CENTS HIGHER. CORN STEADY TO 2 CENTS LOWER. SORGHUM STEADY TO 1 CENT LOWER. SOYBEANS 1 TO 4 CENTS LOWER. ABBREVIATED TRADING SESSION AT BOTH CHICAGO AND KANSAS CITY BOARD OF TRADE. SOME COUNTRY ELEVATORS CLOSED AND PRICE QUOTES NOT AVAILABLE FROM SOME SOURCES.

EXPORT NEWS: SRI LANKA BOUGHT APPROXIMATELY 50,000 TONNES U.S. HARD RED WINTER WHEAT UNDER EXPORT BONUS FOR JANUARY SHIPMENT.

DATE CHANGE YEAR AGO 12/24/91 12/23/91 12/25/90 WHEAT: KANSAS CITY 4.11-4.13 NC HOLIDAY MINNEAPOLIS 4.20 1/4-4.25 1/4 UP 1-2 PORTLAND 4.63-4.64 UP 1-DN ST. LOUIS N/A

CORN, U.S. NO. 2 YELLOW: KANSAS CITY 2.54-2.55 DN 1 MINNEAPOLIS 2.31 DN 3/4 SO. IOWA N/A OMAHA N/A

SOYBEANS, NO. 1 YELLOW: KANSAS CITY 5.68-5.70 DN 4-3 MINNEAPOLIS 5.46 DN 1 3/4 SO. IOWA N/A C. ILL. PROCESSORS 5.71-5.76 DN 2

*KANSAS CITY, US NO. 1 HARD RED WINTER WHEAT, ORDINARY PROTEIN. MINNEAPOLIS, US NO. 1 DARK NORTHERN SPRING WHEAT, 14% PROTEIN. PORTLAND, NO. 1 SOFT WHITE WHEAT, ST. LOUIS, NO. 2 SOFT RED WINTER WHEAT.

FUTURES CLOSE: KANSAS CITY (MAR) WHEAT 3.98 1/2 UP 1 3/4 MINEAPOLIS (MAR) WHEAT 3.85 1/4 UP 2 CHICAGO (MAR) WHEAT 4.00 3/4 UP 2 1/4 (MAR) CORN 2.54 DN 3/4 (JAN) SOYBEANS 5.62 DN 1 3/4

EXPORT: BARGE OR RAIL, PORT OF NEW ORLEANS OR NORTH TEXAS GULF. NO. 1 HARD RED WINTER WHEAT ORDINARY PROTEIN 4.52-4.53 UP 2-3 NO. 2 SOFT RED WINTER WHEAT 4.41 UP 2 NO. 2 YELLOW CORN 2.76 DN 1 NO. 2 YELLOW SORGHUM RAIL 4.93 DN 1 BARGE 4.91 NC NO. 2 YELLOW SOYBEANS 5.92 DN 4.

Peoria Sheep
Peoria, IL
Dec. 24, 1991

SHEEP: 50 TRADING MODERATE. COMPARED WITH LAST TUESDAY, FEW SALES OF SLAUGHTER LAMBS MOSTLY STEADY. SLAUGHTER LAMBS: FEW CHOICE AND PRIME 115-125 LBS. 47.00-48.00

Regional Hay
December 23, 1991
Eastern, Pa.

HAY & STRAW MARKET FOR EASTERN PA - (ALL HAY NO. 2 AND BETTER, PRICES PAID BY DEALERS AT THE FARM & PER TON). HAY AND STRAW STEADY.

ALFALFA 90.00-115.00; MIXED HAY 80.00-110.00; TIMOTHY HAY 75.00-110.00; STRAW 50.00-85.00; MULCH 20.00-40.00.

SUMMARY OF LANCASTER CO. HAY AUCTIONS FOR WEEK ENDING 12/20/91. PRICES PER TON: LOADS: 237 HAY, 62 STRAW, AND 25 EAR CORN.

ALFALFA 95.00-140.00; MIXED HAY 90.00-140.00; TIMOTHY HAY 100.00-145.00; STRAW 75.00-100.00; EAR CORN 88.00-100.00.

SUMMARY OF CENTRAL PA. HAY AUCTIONS FOR WEEK ENDING 12/20/91. PRICES PER TON: LOADS: 171 HAY, 17 STRAW & 8 EAR CORN.

ALFALFA 90.00-145.00; MIXED HAY 85.00-125.00; TIMOTHY HAY 90.00-126.00; STRAW 95.00-120.00; EAR CORN 95.00-135.00.

North Jersey Livestock
Hackettstown, NJ
Tuesday, December 23, 1991
Report supplied by auction

CALVES .45-1.70.
COWS .36½-56½.
EASY COWS .09-.48.
HEIFERS .42-.62½.
BULLS .56½-.65½.
STEERS .72-.77½.
HOGS .23-.38.
SOWS .21.
ROASTING PIGS 24.00-45.00 EACH.
SHEEP .14-.50.
LAMBS EACH 42.50-77.50.
LAMBS PER LB. .32-.80.
GOATS EACH 61.00-92.50.
KIDS EACH 11.00-72.00.
HIDES EACH 15.00.
TOTAL 908.

Lebanon Valley Livestock
Fredericksburg, PA

MERRY CHRISTMAS AND A HAPPY NEW YEAR!

NO SALE TUESDAY, DECEMBER 24, 1991, DUE TO HOLIDAY!

Belleville Livestock
Belleville, PA

MERRY CHRISTMAS AND A HAPPY NEW YEAR!

NO SALE WEDNESDAY, DECEMBER 25, 1991, DUE TO HOLIDAY!

Leesport Livestock
Leesport, PA

MERRY CHRISTMAS AND A HAPPY NEW YEAR!

NO SALE WEDNESDAY, DECEMBER 25, 1991, DUE TO HOLIDAY!

Belknap Livestock
Dayton, PA

MERRY CHRISTMAS AND A HAPPY NEW YEAR!

NO SALE WEDNESDAY, DECEMBER 25, 1991, DUE TO HOLIDAY!

Keister's Middleburg Auction
MIddleburg, PA

MERRY CHRISTMAS AND A HAPPY NEW YEAR!

NO SALE TUESDAY, DECEMBER 24, 1991, DUE TO HOLIDAY!

Vintage Livestock
Paradise, PA

MERRY CHRISTMAS AND A HAPPY NEW YEAR!

NO SALE TUESDAY, DECEMBER 24, 1991, DUE TO HOLIDAY!

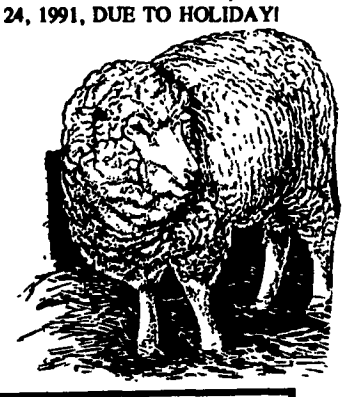
Aberdeen Sales Co. Inc.
Livestock Auction Market
Harford County, Md.
Hay - Straw - Grain Sale
Saturday, December 21, 1991

ALFALFA MIXED HAY $2.80 @ BALE.
TIMOTHY HAY $2.00 @ BALE.
TIMOTHY MIXED HAY $2.10 @ BALE.
STRAW $1.25 @ BALE.
NEXT SALE: DECEMBER 28, 1991, TIME: 11:00 P.M.
NEXT WEDNESDAY SALE WILL BE JANUARY 1, 1992.

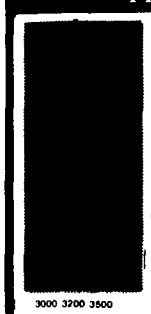
Mercer Livestock
Mercer, PA

MERRY CHRISTMAS AND A HAPPY NEW YEAR!

NO SALE TUESDAY, DECEMBER 24, 1991, DUE TO HOLIDAY!



Replace Your Bulbs- Save Electricity
FLUORESCENT LIGHTS



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- Air Cooled
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- Medium Base
- Starting Temperatures O°
- Made in USA

3000 3200 3500

MODEL	WATTS	REPLACES UP TO STANDARD WATTAGE	RATED LIFE HOURS
3000	5	25 WATTS	250
3200	7	40 WATTS	400
3500	9	60 WATTS	600
3700	13	75 WATTS	900
3900	22	90 WATTS	1300

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Dealer Inquiries Invited

Notice Of Time Change
(Hay Sale)
Starting Jan. 1, 1992
(New Year's Day)
Hay And Straw Sales Will Start At 10 A.M. Every Wed.
GOOD'S AUCTION
111 North Maple Ave.
Leola, PA 17540
717-656-8911
717-656-9554

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Stop vandals thieves but greet friends with hidden Drive-Alert™ driveway alarm Hide it near drive way farm equipment or barn Easy installation Call for free information
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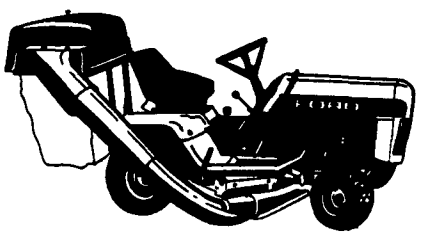
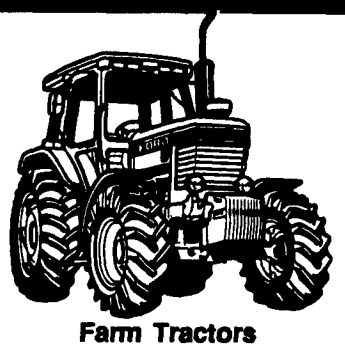
QUALITY = FORD NEW HOLLAND
FORD NEW HOLLAND = QUALITY


Lawn & Garden


Farm Tractors

Industrial Tractors

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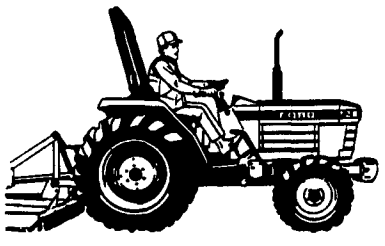
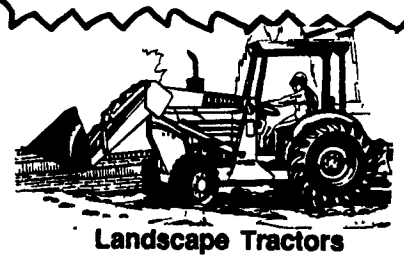

Compact Tractors


Landscape Tractors

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LANCASTER FORD TRACTOR, INC.
1655 Rohrerstown Rd., Lancaster, PA 17601
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HAY, STRAW & GRAIN SALE
Every Thursday at 1 p.m.
Auction will continue all year long
Vintage Sales Stables, Inc.
(Rt. 30, 10 miles east of Lancaster in Paradise, PA)
For Info. 717-442-4181 business 215-458-8518 home
L. Robert Frame, Sr. president
Glenn S. Frame Mgr.

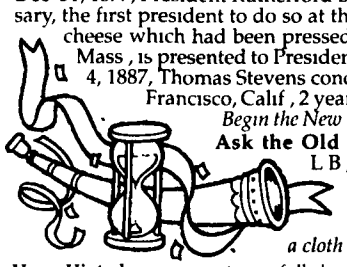
THE OLD FARMER'S ALMANAC

Dec. 30-Jan. 5, 1992

Make Up Your Mind Day, Dec. 31.

Dec 31, 1877, President Rutherford B Hayes celebrates his silver wedding anniversary, the first president to do so at the White House Jan 1, 1802, a 1,235-pound cheese which had been pressed at the farm of Elisha Brown, Jr, of Cheshire, Mass , is presented to President Thomas Jefferson at the White House . Jan 4, 1887, Thomas Stevens concludes his bicycle trip around the world at San Francisco, Calif , 2 years, 8 months, and 13 days after leaving that city

Begin the New Year square with every man — Robert B Thomas



Ask the Old Farmer: How do you get rid of silverfish?
L B , Conn

Sprinkle borax powder along the baseboards, keeping children and pets away from it If this isn't possible, wipe the area where silverfish are found with a cloth soaked in turpentine

Home Hints: In a power outage, a fully loaded freezer should stay frozen two days, if unopened

OLD FARMER'S WEATHER FORECAST

New England: Severe cold greets New Year's revelers, but the new year dawns sunny and milder A northeaster on the weekend brings heavy rain but mild temperatures

Greater New York-New Jersey: Severe cold and flurries continue as the old year ends Clear and unseasonably mild to start '92 Heavy rain, then snow for the weekend

Middle Atlantic Coastal: Flurries and extreme cold keep New Year's celebrants near the fire Then sunny days and cold nights, followed by snow, rain south

Piedmont & Southeast Coastal: Cold temperatures and rain, snow west, end the year Turning clear and mild, followed by heavy rain and a cold snap

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Phila. Vegetables

Dec. 24, 1991

PARTLY CLOUDY 34-43

NO WIRE WILL BE ISSUED ON WEDNESDAY AND THURSDAY, DECEMBER 25 & 26. THE PHILADELPHIA WHOLESALE MARKET AND THE MARKET NEWS OFFICE WILL BE CLOSED BOTH DAYS IN OBSERVANCE OF THE CHRISTMAS HOLIDAY.

ARTICHOKES CA ctn 48s 15.00.

ASPARAGUS OFFERINGS GUATEMALA 11-lb ctn bchd 12s lge 30.00.

BEANS STEADY FL various bu containers Round Green type 20.00-22.00 mos 20.00.

BEANS-LIMA NO OFFERINGS.

BEETS TX crt bchd 12s 7.00 topped 25-lb film bags 7.00 NJ topped bubkt 9.00-10.00.

BROCCOLI LOWER CA ctn bchd 14s 9.00-10.00 mos 9.00 AZ ctn bchd 14s 8.00 TX ctn bchd 14s 5.00-6.00 NJ ctn bchd 14s fair qual 4.00-5.00.

BRUSSEL SPROUTS CA 25-lb ctn few 16.00-17.00.

CABBAGE HIGHER 1-3/4 buctn & crt med green unless otherwise stated FL 12.00 Red 12.00 GA fair cond 6.00-8.00 NJ sml 6.00 NY fair appear 7.00-8.00 one lot 6.00.

CARROTS FILM BAGS LOWER, OTHERS ABOUT STEADY 48-1 lb film bags in film sacks CA med-lge 10.00-11.00 mos 10.00 FL med few 10.00-11.00 50-lb sacks lse jbo CA 9.00-10.00 FL 7.00-9.00 few 10.00 CANADA 9.00 ctn bchd 24s CA 11.00 Miniature type FL ctn 20-12 oz film bags 7.00.

CAULIFLOWER OFFERINGS LIGHT CA ctn film wrpd 9s 14.00-16.00 12s 16.00-18.00.

CELERY ABOUT STEADY CA ctn 2 doz 8.00-11.00 2-1/2 doz 8.00-11.00 3 doz 7.00 4 doz one lot 5.00 FL ctn 2-2-1/2 doz 7.50-8.50 3 doz 5.00-6.00 Hearts film wrpd 18s 7-7.50.

CHINESE CABBAGE FL Celery crt 8.00 NJ Celery crt Nappa 7.00-8.00.

CORN OFFERINGS INSUFFICIENT TO QUOTE.

CUCUMBERS ABOUT STEADY 1-1/9 bucrts & ctns waxed medium unless otherwise stated FL 11.00-12.00 MEXICO 14.00 HONDURAS fair qual & cond 3.00-4.00.

DAIKON OFFERINGS INSUFFICIENT TO QUOTE.

EGGPLANT ABOUT SETADY FL 1-1/9 buctn med incl wrpd 6.00-7.00 fair qual 4.00-5.00.

ENDIVE ABOUT STEADY FL 1-1/9 bucrt 6.00 crt 24s 7.00.

ESCAROLE SLIGHTLY LOWER FL 1-1/9 bucrt 6-6.50 crt 24s 7.00-8.00.

GARLIC per lb CA 30-lb ctn White colossal .95 super jumbo .90 extra jumbo .85.

GREENS ABOUT STEADY crt & ctn approximately 1-1/2 bu bchd unless otherwise stated VA Collards 5.50 GA Collards 6.50-7.00 Mustard, Turnip Tops, Kale & Rape 6.50 NC Collards 5.50-6.50 Mustard, Turnip Tops, Kale & Rape 6.50 CA 24s Red Kale 14.00-15.00 MEXICO 20-lb ctn Broccoli Rabe 24.00-25.00.

LEEKS ABOUT STEADY FL crt bchd 12s 12.00 CA ctn bchd 12s few 10.00.

LETTUCE ICEBERG ABOUT STEADY ctn 24s unless otherwise stated AZ wide range in appear 8.50-10.00 mos 9.00 fair qual 6.00-7.00 mos 7.00 30s fair qual 5.00-6.00 film wrpd 24s 9.00 30s 8.00 CA 8.50-9.00 ROMAINE LOWER CA 24s ctn 7.00-10.00 mos 9.00-10.00 occ 11.00 fair cond 5.00 crt few 13.00-14.00 FL ctn 24s 7.00-8.00 BOSTON CA ctn 24s 7.00 fair cond 3.00 FL ctn 24s 6.00-7.00 BIBB FL flat ctn 24s 5.00-6.00 LEAF CA ctn 24s 7.00-9.00 fair cond 5.00 Red 7.00-9.00 fair cond 5.00 FL crt 24s 6.00-7.00.

MUSHROOMS STEADY PA 4-qt bkt med-lge 4.50-5.00 some 5.75 sml-med 3.50-4.00 few 4.25 10-lb ctn med 8.25-9.00 mos 8.50 lge 11.00 few 11.50 exlge 11.00-11.50 packages 10-12 oz 8.25-9.00 mos 8.50 3-lb ctn Shiitake 18.00-20.00 fair qual 14.00-15.00.

OKRA OFFERINGS INSUFFICIENT TO QUOTE.

ONIONS-GREEN HIGHER TX ctn bchd 24s med-lge bulb few 10.00 MEXICO ctn bchd 48s 10.00-11.00.

PARSLEY ABOUT STEADY bchd 5 doz Curly unless otherwise stated FL crt .00-9.00 mos 8.00 Plain 10.00 TX ctn 11.00-12.00.

PARSNIPS NJ 1/2 buctn few 10.00.

PEAS-GREEN LOWER MEXICO 1-1/9 bucrt few 27.00 GUATEMALA 10-lb ctn per lb Sugar type .80-.90 few 1.00.

PEAS-SOUTHERN NO OFFERINGS.

PEPPERS ABOUT STEADY 1-1/9 bucrts & ctns Calif Wonder type Green unless otherwise stated FL exlge fair appear 7.00-8.00 fair qual 5.00-6.00 lge 6.00-7.00 one lot 4.50 med incl fair appear 4.00-6.00 sml 4.00-5.00 Mixed Red lge 5.00-6.00 med 2.00-4.00 Red exlge 10.00-12.00 lge 10.00-12.00 med 8.00-10.00 sml 8.00 Cubanelle med 5.00 Longhots 10.00-12.00 1/2 buctn Jalapeno 8.00.

RADISHES ABOUT STEADY FL ctn Red 30-6 oz film bags 3-3.25,14-1 lb film bags 3.50.

RHUBARB NO OFFERINGS.

RUTABAGAS CANADA CD#1 waxed med 50-lb ctns 8.00.

SPINACH ABOUT STEADY NJ Savoy type 1-1/4 bucrt few 9.00-10.00 fair qual 6.00-7.00 NC Savoy type 1-1/4 bucrt 8.00 CA Flat type crt bchd 24s 12.00 REPACKED ENROUTE ctn 12-10 oz film bags Savoy type 9.00-10.00.

SQUASH ABOUT STEADY 1/2 bucrt & ctn unless otherwise stated FL Zucchini sml-med fair appear 6.00 few 5.00 med 5.00-6.00 Yellow Straightneck sml-med 6.00-7.00 med 5.00- 6.00 1-1/9 bucrt Spaghetti type few 10.00 MEXICO 28-lb lug Zucchini sml-med 7.00-8.00.

SWEET POTATOES ABOUT STEADY NC 40-lb cartons Jewel type cured US#1 12.00-12.50 few 13.00 NJ 1/2 buctn cured Red Jersey fair qual few 9.00 (CORRECTION FOR YESTERDAY'S WIRE: NC SHOULD HAVE READ 12.00-12.50 FEW 13.00 FAIR QUAL 6.00-7.00 MOS 6.00 LGE 7.50).

TOMATOES ABOUT STEADY 25-lb ctn Pink to Light Red 85% or better US#1 qual unless otherwise stated FL exlge 5.50-6.00 one lot 6.50 lge 5.00 one lot 5.50 REPACKED LOCALLY CA & FL exlge 8.50 lge 8.00 med 8.00 PLUM TYPE FL 11.00-12.00 MEXICO Red 8.00-9.00 CHERRY TYPE flats 12-1 pt trays FL 12.00 MEXICO 10.00-11.50.

TURNIPS topped PA 25-lb film bags med 5.00.

VEGETABLES-OTHER ITALY 1-lyr flat Radicchio 12s 10.50.

WATERCRESS FL ctn bchd 24s 10.00.

Leinbach's Shippensburg Produce Auction

(717)532-5511
Shippensburg, PA
Average Prices Of #1 Produce
December 21 and 24
Open 11 a.m. Tues. and Sat.
Report Supplied by Auction

APPLES: 2.75-3.00 ½ BU.
CABBAGE: 3.00-3.50 50 LBS.
CIDER: 1.00-1.35 GAL.
SWEET POTATOES: 3.50-4.00 ½ BU.
POTATOES: RED AND WHITE 5.00-5.75 50 LBS. 1.00-1.60 20 LBS.
POINSETTIAS: .50-4.50 EACH.
CHRISTMAS CACTI: 2.00-3.00 EACH.
PINE WREATHS: 1.00-2.00 EACH.
CHRISTMAS TREES: 5-8' 2.00-5.00.
TOMATOES: 7.00-11.00 25 LBS.
NAVELS AND TANGELOS: 10.00-16.00.
GRAPEFRUIT: 7.00-12.50.

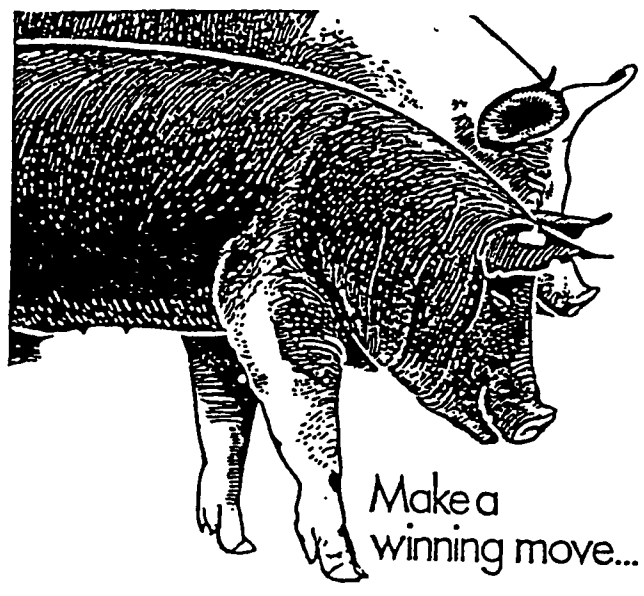
Phila. Potato & Onion

Dec. 24, 1991

PARTLY CLOUDY 34-43.

ONIONS-DRY STEADY 50-lb sacks US#1 or generally good quality and condition Yellow unless otherwise stated ID-OR Spanish Hybrid type colossal 900 jumbo 7.50-8.00 mos 8.00 White jumbo 17.00-20.00 25-lb sks Red jumbo 8.00 med 5.00-6.00 CO Spanish Hybrid type jumbo 7.75-8.00 fair cond 7-7.50 NY Globe type med 6.00-7.00 25-lb sks Red lge 6.50-6.75 MI 25-lb sks Red lge 6.00 MEXICO new crop grano type jumbo White 20.00-21.00.

POTATOES STEADY 50-lb sacks US#1 size A washed or brushed unless otherwise stated ROUND WHITES NYLI 5.25-5.50 lge 5.50-6.00 mos 5.75-6.00 baled 5-10 lb paper sks 6.00-6.25 10-5 lb paper sks 7.00-7.25 ME 5.00 lge 5.50-6.00 NY fair qual 3.50 CANADA Prince Edward Isle 5.75-6.00 lge 6.50 Round Reds MN/ND 6.00-6.50 sz B 11.50-12.00 fair qual 9.50 WI 6.00 NY 5.00-6.00 sz B 9.50-10.00 RUSSETS Norkotah 50-lb carton count unless otherwise stated ID Burbank 70s 10.00-11.50 80s 10.00-11.50 few 9.00 90s 7.00-9.00 mos few 9.50 100s 6.00-7.00 few 8.00 US#2 10 oz min 9.00 sks 50-lb US#2 10 oz min 5.50-6.00 mos 5.75 100-lb sks US#2 6 oz min 10.50 WI 70-80s 7.50 90s 7.00 100s 6.0 WA 70-80s 7.50 90s 7.00 100s 6.00



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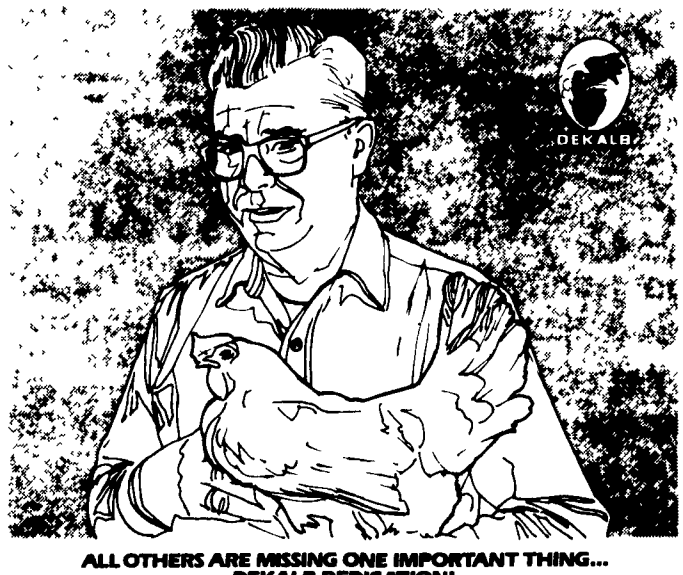

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Monday - Friday 8:30 AM - 4:00 PM

Phila. Fruit Market

Dec. 24, 1991

PARTLY CLOUDY 34-43

NO WIRES OR REPORTS WILL BE ISSUED ON WEDNESDAY AND THURSDAY, DECEMBER 25 & 26. THE PHILADELPHIA WHOLESALE MARKET AND THE MARKET NEWS OFFICE WILL BE CLOSED BOTH DAYS IN OBSERVANCE OF THE CHRISTMAS HOLIDAY.

GRAPEFRUIT BAHAMAS, LOWER, FL ABOUT STEADY FL 4/5 buctn Seedless Indian River Red 23s 10.00 27s 9.50-10.50 32-36s 10.00-10.50 40s 9.50-10.50 48s 10.50 fair appear 6.50-7.00 56s fair appear 6-6.50 fair qual 23-56s 8.00 BAHAMAS 4/5 buctn Star Ruby Red 32s 9.00 36- 40s 8.00.

LEMONS STEADY CA ctn 140s 16.00-18.00 165s 14.50 200s 14.00 fair qual 95s few 18.50 115s 16.50 140s 13.00-15.00 165s 12.50-15.00.

LIMES ABOUT STEADY 10-lb ctn Persian Seedless type FL 42s 7.00 48-54s 6.00-7.00 63s 6.00 MEXICO 42s 4.00 48-63s 4-4.50.

MISC CITRUS NO SALES REPORTED.

ORANGES STEADY FL 4/5 buctn Hamlin 64s 11.00 80s 9.00-11.00 100s 9.00-10.00 mos 9.00 125s 8.50-9.00 mesh sks 10-4 lb 64 sz & 80 sz 12.00 Navel 48s & 80s 14.00 CA ctn Navel 56s 20.00 72s 17.00-19.00 88s 15.50-17.00 113s 12.00-13.00 138s 10.00-11.00 mesh sks 10-4 lb 113 sz 11.00 fair qual 72s 14.00 163s 9.00.

TANGELOS ABOUT STEADY FL 4/5 bucrt Orlando 64s 12.00 fair qual 9.00 80s 11.00-12.00 few 13.50 100s 11.00-11.50 fair qual 9.50-10.00 125s 8.00-10.00 CA 1/2 buctn Minneola Mammoth 15.50 jumbo 13.50.

TANGERINES ABOUT STEADY FL 4/5 buctn & crt Sunburst 100-120s 28.00 150s 24.00 Dancy 80s 16.00-17.00 100s 17.00-18.00 120s 14.00-15.00 150s 13.00-17.00 few 18.00 176s 12.00 CA 1/2 buctn Fairchild medium 6.00.

TEMPLES OFFERINGS INSUFFICIENT TO QUOTE

APPLES STEADY REGULAR STORAGE ctn tray pack WA Red Delicious WAExFcy few 80-88s 24.00 100s 23.00 113s 21.00 USExFcy 72-80s 22.00 88s 19.00-22.00 mos 19.00-21.00 100s 17.00-19.00 113-138s 16.00 Golden Delicious WAExFcy 88s 23.00 100s 21.00 113s 18.00 Granny Smith WAExFcy 88s 23.00 CA Granny Smith USFcy 88s 23.00 100s 22.00 VA Granny Smith Comb USExfcy-fcy 64s & 88-100s 12.00-13.00 ctn cell pack NY US#1 McIntosh 80s 13.00 100s 11.50-12.00 120s 11.00-11.50 ctn 12-3 lb film bags NY McIntosh USFcy 2-1/4" min 11.00.

APPLE-PEARS OFFERINGS INSUFFICIENT TO QUOTE.

APRICOTS OFFERINGS INSUFFICIENT TO QUOTE.

AVOCADOS ABOUT STEADY FL flat ctn various greenskin varieties 10s 6.50 CA 1-lyr ctn Hass 24s 20.00 MEXICO 2-lyr ctn Hass 40s 38.00.

BANANAS IMPORTS ctn 40-lb 10.00-11.00 fair qual 10.00 film wrpd 12.00 Institutional pack Petite 150s 12.00.

BLACKBERRIES CHILE flats 12- 6 oz film wrpd cups 24.00.

BLUEBERRIES NEW ZEALAND flats 12- 6 oz film wrpd cups 26.00.

CHERRIES CHILE 5-kilo ctn Bing 11 rw sz ord cond 6.00-7.00.

COCONUTS DOMINICAN REPUBLIC sacks 40s few 14.00.

CRANBERRIES OFFERINGS INSUFFICIENT TO QUOTE.

FIGS OFFERINGS INSUFFICIENT TO QUOTE.

GRAPES-TABLE STEADY CA 23-lb lug Calmeria 12.00-13.00 Christmas Rose 11.00-12.00 21-lb lug film bags Ribier ord cond 5.00-8.00 21-lb wrpd Emperor 13.00 16-lb lug wrpd Thompson Seedless 12.00-14.00 some 16.00 film bags Thompson Seedless fair cond 10.00-12.00 Emperor 12.00 CHILE 18-lb lug wrpd Thomson Seedless 23.00-24.00 Flame Seedless 26.00.

KIWIFRUIT STEADY NEW ZEALAND 1-lyr flat 33s 7.50-8.50 36s 8.00.

MANGOS TOO FEW SALES TO QUOTE.

NECTARINES TOO FEW SALES TO QUOTE.

PAPAYAS HAWAII ctn via air 11s 11.00.

PEACHES OFFERINGS INSUFFICIENT TO QUOTE.

PEARS STEADY OR 4/5 buctn wrpd US#1 Bosc 90s 29.00 100s 27.00 110s 24.00 120s 20.00- 21.00 135s 18.50 D'Anjou 100s 21.00 135s 16.50 WA 4/5 buctn wrpd D'Anjou WAExFcy 120s 20.00 WAfcy 110s 16.50 120-135s 15.50 CA 15-lb ctn Red no sz marked 17.00.

PERSIMMONS NO SALES REPORTED.

PINEAPPLES HAWAII ctn via air 6s 12.00.

PLUMS CHILE 2-lyr lug Red Beaut 98s 14.00.

POMEGRANATES OFFERINGS INSUFFICIENT TO QUOTE.

PRUNES NO OFFERINGS.

QUINCE NO OFFERINGS.

RASPBERRIES ABOUT STEADY CHILE Flats 12-6 oz film wrpd cups via air 20.00-24.00.

STRAWBERRIES ABOUT STEADY CA flats 12-1 pt bkt med fair appear 10.00 fair qual & ord cond 1.00-2.00 FL flats 12-1 pt bkt med 12.00-15.00 one lot few 5.00

CANTALOUPS ABOUT STEADY HONDURAS 1/2 ctn 12-15s 10.00-12.00 fair cond 9-18s 4.00-5.00 DOMINICAN REPUBLIC 1/2 ctn 12s 12.00 15-18s 13.00.

HONEYDEWS ABOUT STEADY MEXICO 2/3 ctn 5s 6.00-7.00 6s 4.00-6.00 few 3.00 occ 7.00 8s 4.00-7.00 few 3.00 ECUADOR 2/3 ctn 6-8s 9.00 GUATEMALA 2/3 ctn 5-6s 8.00-9.00 PANAMA 2/3 ctn 5-6s 7.50-8.00.

MISC MELONS GUATEMALA 2/3 ctn Mayan Sweet fair cond 5-8s 5.00-8.00.

WATERMELONS STEADY ctn per ctn FL Sangria 3s 15.00 4s 14.00 Jubilee 3s 20.00

Some markets not available due to the holiday

Estimated Daily Livestock Slaughter

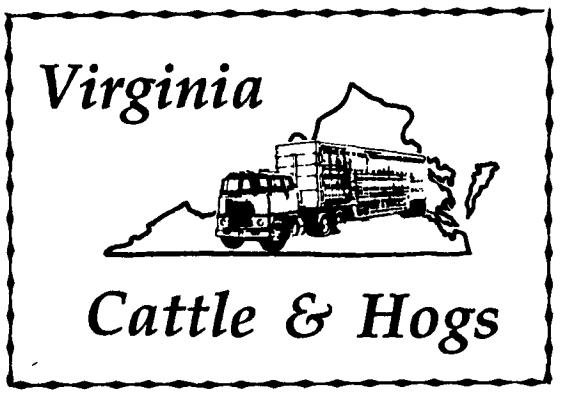
Under Federal Inspection

December 24, 1991

	CATTLE	CALVES	HOGS	SHEEP
WED., 12/24/91 (EST)	46,000	3,000	173,000	18,000
WEEK AGO (EST)	121,000	6,000	351,000	24,000
YEAR AGO (ACT)	0	0	0	0
WEEK TO DATE (EST)	168,000	8,000	512,000	38,000
SAME PD LT WK (EST)	227,000	12,000	674,000	43,000
SAME PD LT YR (ACT)	17,000	4,000	128,000	7,000

***REVISION CATTLE SLAUGHTER MONDAY...122,000.

***REVISION SHEEP SLAUGHTER MONDAY...20,000.



S.W. Virginia Livestock

Tri-State VA

Dec. 20, 1991

SLAUGHTER HOGS 11 HEAD - NO TRENDS REPORTED. BARROWS AND GILTS US 2-4, 250-300 LB. 41.00 SOWS US 1-3, 300-500 LB. 32.00 - 39.00

SLAUGHTER CATTLE 187 HEAD - SLAUGHTER COWS STEADY.

SLAUGHTER COWS 177 HEAD COWS CUTTER & BONING UT. 1-3 43.00 - 51.00 BREAKING UT. & COMM. 2-4 44.00 - 53.50 CANNER AND LOW CUTTER 1-2 38.00 - 43.50

SLAUGHTER BULLS 10 HEAD BULLS Y.G. 1-2, 900-1300 LB. 52.00 - 57.00 Y.G. 1-2, 1300-1600 LB. 55.00 - 66.50

12 HEAD GOATS 410.00-70.00 PER HEAD.

FEEDER CATTLE 434 HEAD - FEEDER STEERS AND FEEDER HEIFERS STEADY TO $1.00 LOWER. STEERS MEDIUM 1 LARGE 1 SMALL 1 MED & LARGE 2 200-300 95.00-102.00 - - 87.00-96.00 300-400 93.00- 98.00 103.00 82.00-86.00 84.00- 92.00 400-500 86.00- 93.00 95.00 75.00- 82.00 80.00- 87.00 500-600 84.00- 90.00 93.00 70.00- 75.00 75.00-84.00 600-700 75.00- 80.00 - 66.00- 73.00 72.00- 76.00 700-800 73.00- 74.00 - - - 800-900 64.00- 67.50 - - - HOLSTEIN STEER MED & LARGE 2 300- 500 72.00- 81.50 500- 700 65.00- 75.00 700-900 55.00- 62.00

HEIFERS MEDIUM 1 LARGE 1 SMALL 1 MED & LARGE 2 200-300 78.00- 83.00 - - 74.00- 79.00 300-400 77.00- 86.00 85.00- 89.00 - 73.00- 81.00 400-500 75.00- 83.00 82.00- 85.00 68.00-73.00 70.00- 76.00 500-600 73.00- 79.00 - 63.00- 67.00 66.00- 74.00 600-700 68.00-70.50 - 60.00- 66.00 65.00- 69.00 700-800 64.00- 69.00 - - - BULLS MEDIUM 1 LARGE 1 SMALL 1 MED & LARGE 2 200-300 85.00- 92.00 95.00-100.00 - 80.00- 86.00 300-400 86.00- 95.00 94.00-98.00 77.00- 83.00 82.00- 87.00 400-500 85.00- 91.00 90.00- 93.00 72.00- 77.00 78.00- 86.00 500-600 82.00- 88.00 - - 75.00- 81.00 BABY CALVES RETURNED TO FARMS 8 HEAD NEWBORN TO 4 WK OLD $40.00-140.00 MOSTLY $45.00-70.00 PER HEAD.

N. Virginia Livestock

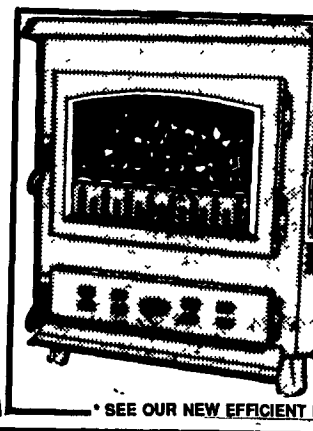
Madison, Shenandoah, Staunton Union, VA

Dec. 20&21, 1991

NO REPORT THIS WEEK. MOST MARKETS CLOSED FOR CHRISTMAS.

HAVE A MERRY CHRISTMAS AND HAPPY NEW YEAR FROM VIRGINIA MARKET NEWS.

White Washing & Barn Cleaning
w/Compressed Air.
Dries white.
Comparable w/competition's materials.
Prices Can't Be Beat!
(717) 442-3202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3 Miles East of Lancaster
Tues., Thurs. & Fri. 10-8; Wed. & Sat. 10-5
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HOG CONTRACTS AVAILABLE!

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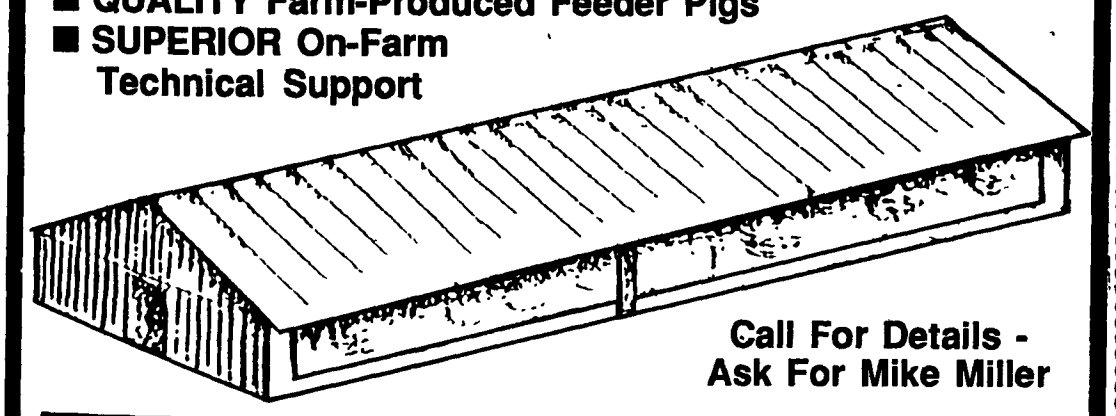

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1-800-468-5524 | **(717) 367-1525**

419 West High St., Elizabethtown, PA 17022

An Invitation To Lancaster County Vegetable Growers

Hear Don Robinson At
The Bareville Fire Hall

Tuesday, January 7, 1992 12:00 PM

Don Will Be Speaking On The Following Subjects:

- **Yields On Vegetable Demonstration Plot At Leola Produce**
- **Experiments Using Colored Mulch To Increase Yields**
- **Economics of Vegetable Production**

Bruce Hellerick
Lancaster County Horticulture Agent

Will Moderate A Panel Of Buyers. Session Will Be Open For Farmers Questions

Meeting Will Qualify Farmers For Pesticide License Update Credits

Leola Produce Auction, Inc.

Wholesale Auction of Lancaster Co. Vegetables
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Leola, PA 17540

Lloyd Horst, Manager
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Office 717-656-9592
656-9580

Lancaster Farming

OPINION

"Happy New Year To All!"

We come to the end of a year again. The "old" year, 1991, is past, and the "new" year is before us.

As we reflect on the past and make resolutions for the future, we must make some personal adjustments. The key to these adjustments comes from our willingness to say good-by to some things we cannot keep. Farming is such a roller coaster. The markets go up and down. The children get sick. The excellent cow dies. Or the barn burns.

The key question: when everything else fails, what holds you up? Do we have an inner resolve that carries us through?

A lot in life is not fair. Many occurrences are out of our control. But we must let some things go with the old year, the income you should have had or the cow that should have settled, or the children who left home--we need to say good-by to the things we cannot keep.

The unkind word someone said to you or about you or the angry exchange you gave to someone else, these must go, too.

If we can't say good-by, we will not have energy to spend on new and exciting possibilites that come to us with each new page of the 1992 calendar.

So, when we ring in the new year next Tuesday night, let's forget the things of the past we cannot change and cannot keep and move on to creative ways to do better in the new year.

This will insure that our wish for you will come true--our wish for a "Happy New Year To All!"

Farm Forum

Editor:

I would like to respond to your article Congressional Inaction Leaves Dairy Farmer's Fate to Market Forces (Lancaster Farming Dec. 14, 1991) on page A-23. This report seems to portray dairy farmers in sorry shape over the current milk price situation, and helpless to do much about it. So far I could agree, and being in dairying myself, I can't help sympathizing.

The big question in my mind is: where will we go for help? To the USDA and our expert lawmakers? Despite their track record of untamed spending and interference in agricultural marketing, these are the government planners we seem to depend on for the survival of our industry. Although we've lived off their assistance for 60 years, we are not much happier now than we were. Yet we continue to hire them to enforce regulations we ourselves cannot even agree on. When new laws are proposed, we scramble to the nearest politician to have them ratified in our favor. When milk prices dip, we plead with them to act quickly. What is this? Do we actually think these people know how to run our farms and sell our milk?

I believe this industry has become lodged in a position more helpless than would be possible if it were plagued by the worst natural disaster or marketing failure. We have allowed the honest procedure of producing and selling milk to become a political ball game, and it certainly will remain as such so long as we believe our government's false promises of fairness and equality.

I am totally fed up with this system- this bizzare net- work of pricing mechanisms which perpetually rob us of our freedoms and conceal the true value of our product. Political protections are an insult to our integrity since they shield us from the very competition needed to perfect our standards. Market orders should be abolished completely and prices permitted to stabilize at levels

(Turn to Page A23)

NOW IS THE TIME

By John Schwartz
Lancaster County Agricultural Agent

To Note

Farm Show Changes

The 76th Pennsylvania State Farm Show will begin in two weeks.

This year there are several changes. These include the show opening on Saturday, January 11 and ending on Thursday, January 16. This means most entry days have been moved up by one day.

Also, a social security number or employer identification number must be supplied with each entry. This number is now being required in order to send out premium checks.

Special attractions include a butter sculpture, more than 5,000 animals, cooking demonstrations, educational exhibits, machinery, commercial agricultural exhibits, the famous food court, milking parlor, exhibit of 400 champion birds, sheep-to-shawl contest, and rodeo.

Farm show premium lists are available from your local cooperative extension office. Note the new days for the show and plan to attend Pennsylvania's largest indoor agricultural event.

Farmers Are Exempt From Water Monitoring Fees

Farmers who use more than an average of 20,000 gallons of water per day to irrigate or water poultry and livestock have been exempted from the Susquehanna River Basin Commission's (SRBC) application and compliance monitoring fees.

Richard Cairo, executive secretary of the SRBC, announced this decision after the commission considered testimony of many farmers at a public hearing in October. Farmers who use more than 20,000 gallons of water per day will still be required to apply for a permit.

By applying for a permit, farmers will be registering their current use of water. This will help them increase their access to water during times of future water shortage. This action proves that farmers still can make a difference in government decisions provided they are organized, state the facts, explain the impact of the regulations on them, reasons why the regulations should not be implemented, and speak for themselves.

Antifreeze And Children And Pets

Watch for spills of antifreeze anytime you check your car's radiator this winter. Do not leave spills without cleaning them up and do not leave open containers of antifreeze sitting around that children or pets could drink from.

Many pets may find water hard to find in the winter months or may enjoy the sweet taste of antifreeze. Ethylene glycol, the main ingredient in antifreeze, is very toxic to humans and pets when ingested.

Remember, antifreeze will not evaporate. Therefore, always clean up spills, do not leave old antifreeze sitting around in open buckets and other containers, and always keep antifreeze in the original containers with the safety caps in place.

Feather Prof's Footnote: "Take time to think — it is the source of power."

Farm Calendar

Saturday, December 28

Sunday, December 29

Monday, December 30

Tuesday, December 31

Wednesday, January 1
Happy New Year!

Red Rose Alliance annual pork and sauerkraut dinner, Churchtown Fire Hall, 11 a.m.

Thursday, January 2

Three-Week Short Course in Professional Turfgrass and Landscape Management, Hunterdon Co., N.J., thru Jan. 20.

York Co. annual Forage Show, Kennard H.S., 7:30 p.m.

Friday, January 3

Franklin Co. Extension Dairy Day, Kauffman's Community Center, 9 a.m.-2:30 p.m.

York Co. pesticide applicator testing program, Pleasant Acres Complex, 8 a.m.-noon.

Three-Week Short Course in Professional Turfgrass and Land-

(Turn to Page A11)

THE BIBLE SPEAKS
BY LAWRENCE W. ALTHOUSE

A LITTLE LESS THAN GOD

December 29, 1991

Background Scripture: Psalms 8.

Devotional Reading: John 1:1-18.

Both the commentaries I consulted indicate that Psalm 8 originally belonged to the evening service in the temple, when those standing in the court of the temple could see the night sky. I can well understand how the Psalmist felt when he said these words for the first time:

O Lord, our Lord, how majestic is thy name in all the earth!

Often when I look into the night sky and see all those pin-points of light, when I realize what a small part of the solar system we are, and even more, what a tiny speck is our galaxy in the whole universe, those words come to me as they did to him. It is then that I realize that my denominational loyalties, withered and pickeled by my uninspired human imagination. It takes the vastness of a night sky, the fascination of still another universe revealed by a microscope, or the wonder mirrored in a newborn baby's face to lead me beyond my prosaic understanding of just how majestic are the finger prints of God in the world I can see, let alone those evidence in the world I cannot see or imagine.

BIG THOUGHTS

And then, when I have thought those big, big thoughts, and tned to see where I cannot see, something makes me look from the heavens to myself and say:

When I look at thy heavens, the work of thy fingers.

The moon and the stars which thou has established;

What ts man that thou art mindful of him,

and the son of man that thou dost care for him?

Two thoughts that seem irreconcilable: the majesty of God and the seeming insignificance of our human nature. The gap between God and our human nature must be greater than the length and breadth of the universe!

That is when I am always brought up short with the words of the Psalmist:

Yet thou hast made him little less than God,

and dost crown him with glory and honor.

"A little less than God"? No, even allowing for poetic license, is it not audacious to say "a little less than God"?

ROYAL CROWNED

Yes it is audacious, but still, according to the Psalmist, it must be said. Just so that we do not miss his point, he goes on to say that we are crowned "with honor and glory." Only kings and queens are thus crowned and the Psalmist is thus telling us that each and every one of us is royalty in the order of God's creation.

We may not have any trouble believing in the royalty of presidents, kings diplomats, artists, thespians, sports superstars, entertainers, captains of industry, but that isn't what the Psalmist is saying. He is saying that to be a human being, a creature of God, is to occupy a place of royalty in the created order.

Wonderful! Yes, but also intimidating, for if that is the way God has created us, if he has given us "dominion over the works of thy hands," and "hast put all things under his feet," each and every one of us needs to recognize this divine potential and begin to live up to it while there is yet time to do so.

"O Lord, our Lord, how majestic is thy name in all the earth!" And how great is the potential you have given us!

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Robert G. Campbell General Manager
Everett R. Newswanger Managing Editor

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OTIS, ARE YOU READY FOR THE APPROACHING WINTER STORM? IT LOOKS LIKE WERE GONNA BE SNOWED IN FOR A WHILE
YUP, I WAS ABLE TO GET EVERYTHING ON MY LIST.
DAVE CARPENTER

PM True Value HOME CENTER

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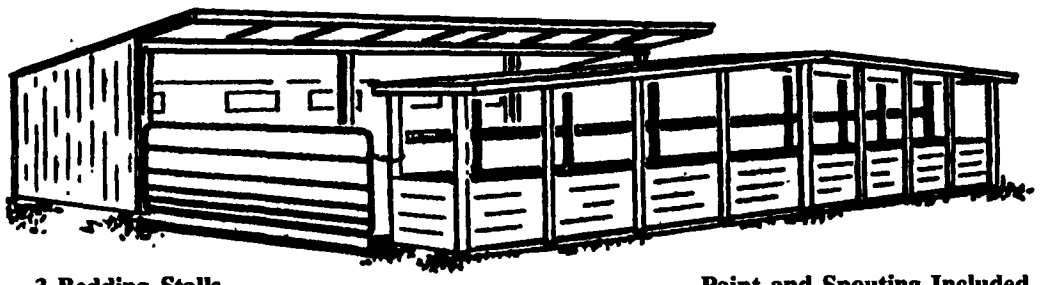

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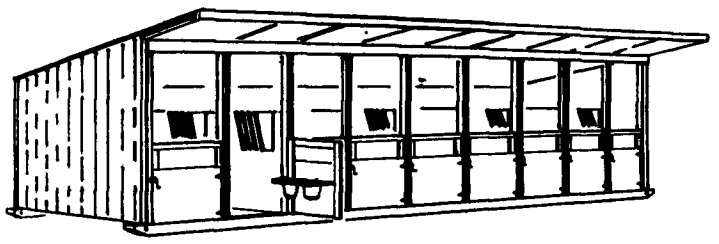

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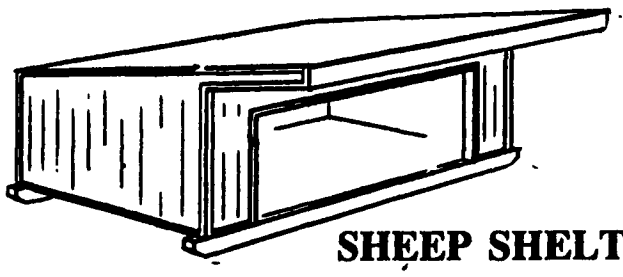
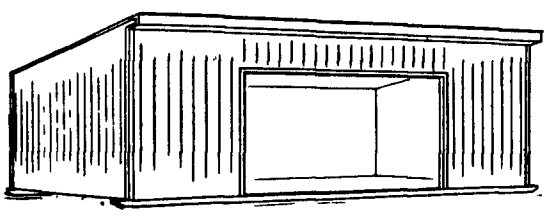
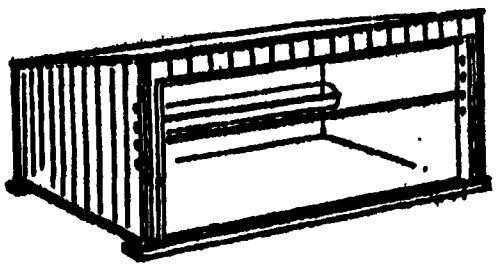


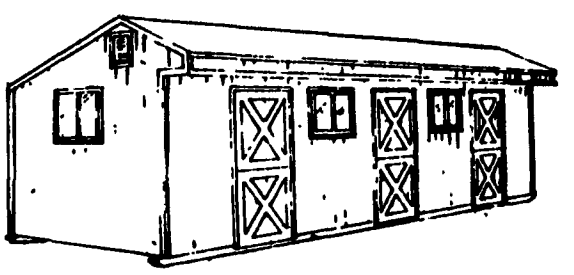
SHEEP SHELTER



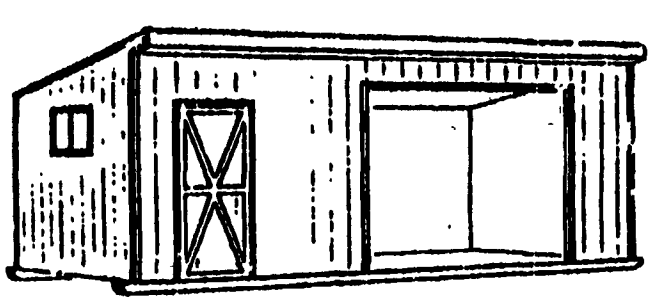
CATTLE SHELTER

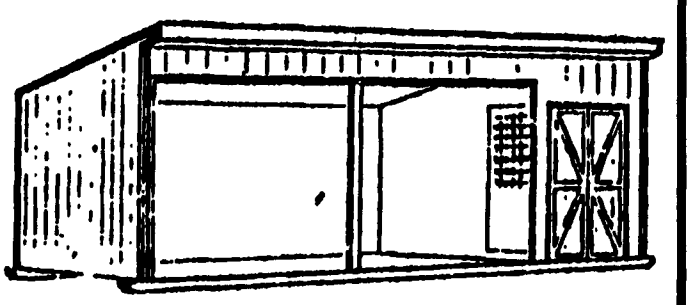


CALF CREEP FEEDER

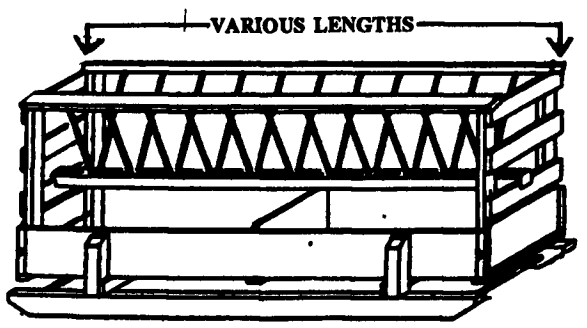


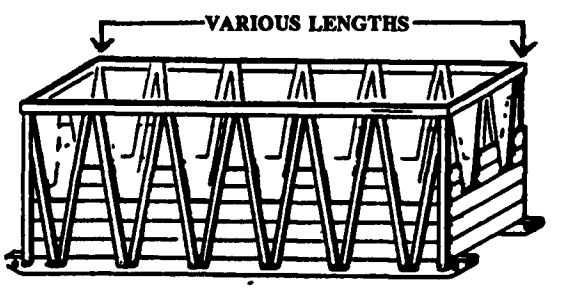
13'x32' HORSE BARN





HORSE RUN-IN SHELTERS





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1990 Prices Still In Effect

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PA Watts 800-322-1306

Farm Calendar

(Continued from Page A10)

scape Management, Hunterdon Co., N.J., thru Jan. 20.

Saturday, January 4

Wayne Co. Livestock Health Management Workshop, John Marshall's, Beach Lake, 10 a.m.-noon.

Sunday, January 5

Monday, January 6

Penn State Ice Cream Short Course, J.O. Keller Conference Center, University Park, thru Jan. 16.

Mercer Co. Dairy Workshop, Extension Center, 10 a.m.-3 p.m.; repeats Jan. 13.

Tuesday, January 7

Lancaster Co. annual Tobacco Show, Farm and Home Center, 9:30 a.m.

Area tax meeting, Wellsboro, Pomona Grange Hall.

East Pa. Turf Conference and Trade Show, Valley Forge Conference Center, Sheraton Valley Forge Hotel, King of Prussia, thru Jan. 10.

Leola Auction vegetable meeting, Bareville Fire Hall, Bareville.

Schuylkill Co. Dairy Day, Schuylkill Co. Campus, 9 a.m.-3 p.m.

Milk pricing index meeting, Ephrata H.S. ag classroom, 7:45 p.m.

Soil Fertility School, Log Cabin Restaurant, Waterford, 10:30 a.m.-2 p.m.

Wednesday, January 8

Area tax meeting, Tunkhannock, Shadowbrook Inn, Sullivan Room.

Penn Jersey Dairy Expo, Days Inn Conference Center, Allentown; repeats Jan. 9, Oxford Fire Hall, Oxford.

East Pa. Turf Conference and Trade Show, Valley Forge Conference Center, Sheraton Valley Forge Hotel, King of Prussia, thru Jan. 10.

York Co. Composting Conference, Pleasant Acres Complex, 9:30 a.m.-noon.

York Co. Grain Crops Video Seminar, PSU York Campus, 10 a.m.-2 p.m.

Thursday, January 9

Area tax meeting, Comfort Inn, Lewsiburg.

N.E. regional tomato meeting, Thompson Diner.

East Pa. Turf Conference and Trade Show, Valley Forge Conference Center, Sheraton Valley Forge Hotel, King of Prussia, thru Jan. 10.

Penn Jersey Dairy Expo, Oxford Fire Hall, Oxford.

Franklin Co. Crop Management Association annual meeting, St. Thomas Fire Hall, 7 p.m.

Friday, January 10

Area tax meeting, Comfort Inn, Lewisburg.

East Pa. Turf Conference and Trade Show, Valley Forge Conference Center, Sheraton Valley Forge Hotel, King of Prussia.

Saturday, January 11

Pennsylvania Farm Show, Farm Show Complex, Harrisburg, thru Jan. 16.

Sunday, January 12

Pennsylvania Farm Show, Farm Show Complex, Harrisburg, thru Jan. 16.

Monday, January 13

Pennsylvania Farm Show, Farm Show Complex, Harrisburg, thru Jan. 16.

Four States Livestock

Hagerstown, Md.
Thursday, December 26, 1991
Report supplied by Auction

SLAUGHTER COWS: UTILITY 48.00-51.00; HIGH DRESSING 51.00-53.75; CANNERS 44.00-48.00; SHELLY 44.00-DOWN.

BULLS: YG#2 1790 LB. 61.25. STANDARD 1650 LBS. AT 52.25.

FED STEERS: CH. 1,105 LB. 68.25; SL. 1200-1400 LBS. 61.00-64.25.

VEAL CALVES: 1 PRIME 445 LBS. 106.00. 1 GOOD 215 LBS. 84.00. CULLS 85-110 LBS. 50.00-60.00; 50-80 LBS. 45.00-55.00. WEAK/ROUGH 45.00-DOWN.

FARM CALVES: HOLSTEIN BULLS #1 90-125 LBS. 140.00-173.00, #2 110.00-140.00. 80-85 LBS. 75.00-110.00. HOLSTEIN HEIFERS 100-125 LBS. 130.00-150.00; 80-95 IBS. 70.00-115.00. BEEF X BULLS 70-100 LBDS. 90.00-130.00.

BUTCHER HOGS: US#1&3 215-260 LBS. 38.00-38.50; 1 LOT 330 LBS. TO 35.50.

SOWS: 400-650 LBS. 30.00-32.00. BOARS 300-700 IB6. 22.00-23.00.

STOCK CATTLE: STEERS 300 LBS. UP TO 86.00; 550 LBS. UP TO 69.00. 2 HOLSTEINS 725 LBS. 60.50.

HEIFERS: 300-500 LBS. 64.00-72.00 600-700 LBS. 60.00-72.00; 700-900 LBS. 55.00-68.00

BULLS: 300-500 LBS. 76.00-82.00; 700-950 LBS. 53.00-56.00.

DAIRY REPLACEMENTS: SPRINGERS LARGE 900.00-1060.00.

LAMBS: CHOICE 60-100 LBS. 52.00-59.00.

SHEEP: TWO AT 17.50.

GOATS: MEDIUM 39.00-44.00.

PIGS & SHOATS: BY THE HEAD 20-30 LBS. 24.00-32.00; 35-50 LBS. 36.00-42.00.; BY THE POUND 100-125 LBS. 51.00-54.00; 140-160 LBS. 42.00-46.00; 1 LOT 63 LBS. AT 54.00.

FEEDING SOWS: 300-375 LBS. 31.00-35.00.

STOCK BOARS: 210-260 LBS. 33.00-34.25.

SALE AS USUAL WEDNESDAY JANUARY 1, 6 P.M.

HAPPY NEW YEAR!

Holstein Association Sets Schedule

STATE COLLEGE (Centre Co.) — The Pennsylvania Holstein Association this week announced their 1992 schedule of events through the beginning of April.

Other dates will be announced as details are finalized.

1992 Pa. Holstein Events Calendar

Jan. 17 — 7 p.m., Snyder County annual meeting, at the Middleburg Fire Hall, in Middleburg.

Jan. 18 — 7 p.m., Franklin County annual meeting, at Lemasters Community Center, in Lemasters.

Jan. 18 — The Beaver-Lawrence counties' annual meeting. Details not available.

Jan. 25 — Butler County annual meeting. Details unavailable.

Feb. 7-9 — Pa. Junior Holstein Convention, at the Sheraton Inn, in Warrendale.

Feb. 27-29 — Pa. Holstein Convention, at the Sheraton Inn, Warrendale.

Feb. 27 — Pa. Holstein Convention Sale, at the Sheraton Inn, in Warrendale.

Feb. 28 — 9 a.m., Pa. Holstein Association Annual Meeting, at the Sheraton Inn, Warrendale.

March 3 — 7 p.m., Beford County annual meeting, at the Northern Bedford High School.

March 27 — 9:30 a.m. — The Pa. Holstein Spring Show, at the Farm Show Complex, in Harrisburg.

April 4 — 10 a.m., The Pa. Holstein Spring Sale, at the Ag Arena, in State College.

Milk Pricing Index Meeting Topic

EPHRATA (Lancaster Co.) — Getting the most money for their milk is top on dairy minds these days. Multicomponent milk pricing, effective in 1992, will require changes in management practices to maximize profits.

At 7:45 p.m. on Tuesday, January 7, 1992, Dr. Tim Snyder, dairy nutritionist with Pennfield Corp., will discuss how best to feed cows for the highest solids/nonfat production. The meeting is sponsored by the Ephrata Area Young Farmers Association and will be held at the Ephrata High School ag classroom.

On hand to provide further insight on multi-component milk pricing will be Alan Strock, multi-county farm management agent.

All dairy farmers are invited to attend. For more information, contact Charles Ackley, (717) 733-1478, ext. 400.

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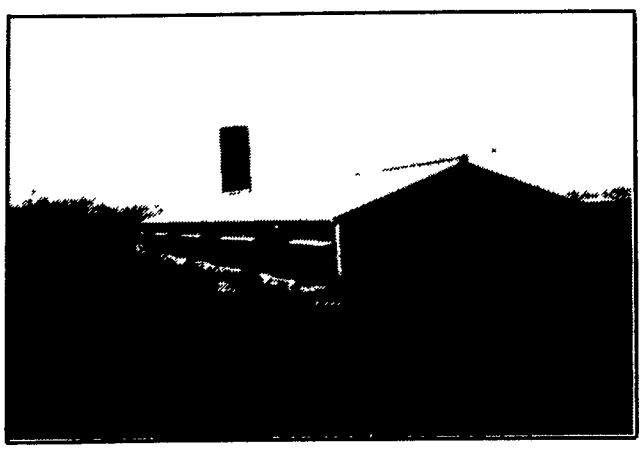

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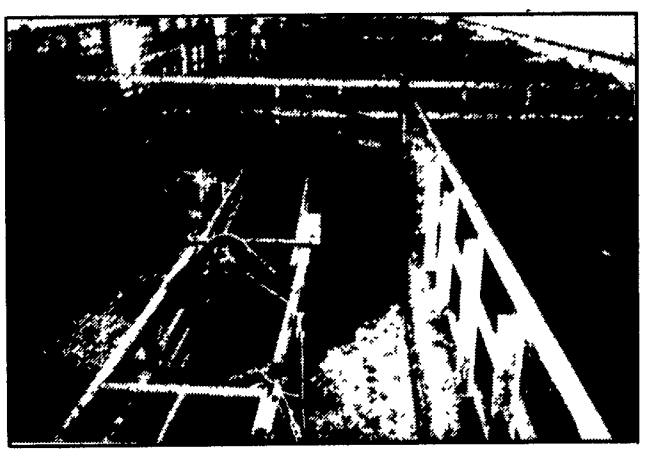

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National Dairy Board Gets To Business

ARLINGTON, Va. — The National Dairy Promotion and Research Board met late November in Portland, Ore., to discuss and plan milk-selling strategum.

The 36 dairy producers from across the U.S. who comprise the board spent the first night discussing likely dairy industry influences and challenges of the next five years. Members identified fat and cholesterol as two factors that the National Dairy Board can address while working to increase sales.

The board also voted to hold a special planning and budget meeting Feb. 19-20 in Chicago to involve the entire board rather than just the administration and finance committee as is typically the case.

The remainder of the meeting focussed on the following five program areas.

Advertising And Sales Promotion

As part of the goal to increase fluid milk sales by 2 percent in the coming year, the National Dairy Board has committed just over $2 million from the fiscal year 1992 budget to support a chocolate milk campaign.

The majority of those funds comes from the existing $16 million fluid milk budget. Expenditures for the 12-month program beginning in March are expected to total around $6 million.

"NDB will fund the production of a television commercial titled 'Why drink chocolate milk' as well as costs of the national television media campaign and production of a radio commercial," said Maureen Varnon, director of advertising and promotion programs.

For the first two months of the campaign, all NDB fluid milk media will be devoted to chocolate milk. After the chocolate milk kick-off, NDB will continue to support chocolate milk in 60 percent of the "spot" markets (based on geographic location with separate negotiations to advertise during local programming in specific markets), while resuming white milk advertising on cable and syndicated television.

"State and regional promotion boards may complement the campaign with regional radio advertising and point-of-purchase materials, chocolate additive manufacturers may provide tie-in promotion and dairies may do cooperative advertising," Varnon said.

"Per capita fluid milk consumption in our youth segment target, ages 6 to 17 years old, has increased by more than a gallon over the past three years," Varnon said.

To continue the on-going activities for increasing milk consumption within the segment, the board voted in favor of airing a new 30-second animated commercial targeting children ages 6 to 12, and a 15-second and 30-second commercial targeting teens ages 13 to 17.

The commercials emphasize the good taste and growth benefits of milk and will begin airing on network, cable and spot television in early December.

Public Relations

Dovetailing into the advertising and sales promotion campaign and providing additional support for chocolate milk, a program in cooperation with the American Academy of Pediatric Dentistry (AAPD) was approved by the board.

Along with the AAPD, the National Dairy Board will spend up to $150,000 educating dentists and the public about the nutritional and dental benefits of chocolate milk.

"The AAPD considers chocolate milk a preferred, nutritious snack and is willing to lend their professional support to our chocolate milk efforts," said Dick Weiss, NDB senior vice president of public relations. "This investment in professional communications will definitely enhance both industries advertising efforts."

The AAPD/National Dairy Board plan includes a media tour in New York City by key spokespersons and scientists with a focus on diet, dental cavities, cheese consumption properties offering cavity prevention and choosing preferred snacks.

Also, there is to be 25 media placements of AAPD spokespersons January through March in various magazines and on television programs discussing preferred snacks and growing up cavity-free.

The PR strategy also includes submitting articles for use in professional publications, and preparing a cadre of trained spokespersons armed with the facts about dairy products, specifically chocolate milk.

Market Research

Market research with the greatest potential for near-term effect on dairy product sales was a study of consumer reaction to solids-added milk.

Added nonfat solids are primarily protein, increasing milk's nutritional value. In taste tests conducted in the Midwest, comparing 1-percent and 2-percent fat content milk with and without added solids, focus group participants preferred solids-added milk.

That preference was even stronger after consumers understood the nutritional difference between the two milks.

Consumers showed a strong interest in trying the solids-added product if available in their preferred alternative; for example, 1-percent milkfat.

Research indicated that nutrition was the driving factor for interest in the product, followed by better taste.

"From a marketing viewpoint, solids-added milk appears to have potential," said Bill Diggins, head of NDB's market research. "And consumers are often willing to pay more for nutrition."

Based on this preliminary research, the board will conduct more extensive quantitative research to further examine the market potential of solids-added milk.

Product And Nutrition Research

Keeping in line with the overall objective to listen to consumers for program direction, the product and nutrition research committee unveiled an evaluation plan that will be used to identify and direct research with the best potential for a direct return to dairy product sales.

Past examples where consumer research was used to drive new programs or evaluate existing commitments are iron fortified cheese, a 40 percent fat spreadable butter and a new technology for removing cholesterol from butterfat.

Two dairy foods research centers were granted funding extensions by the board. Both the research center in California and the Minnesota/South Dakota center were given $400,000 each year for fiscal years 1993 through 1996.

The research objective areas of the California center are modification of milk components composition including protein and lactose; technologies for product development efforts, including cheeses; and fluid products, specifically chocolate milk and cultured milks.

Key research areas for the Minnesota/South Dakota center are genetics of dairy starter cultures; dairy food quality and safe-

(Turn to Page A14)

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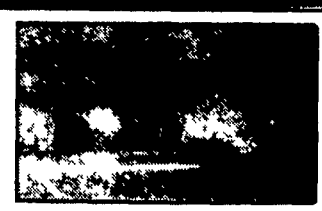

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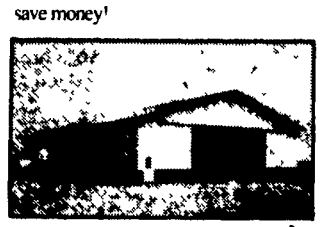

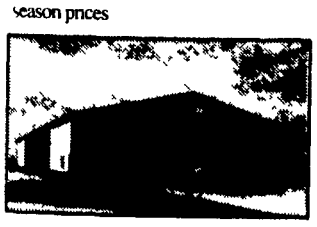

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National Dairy Board

(Continued from Page A13)

ty; and utilization of dairy components as food ingredients.

In the area of nutrition research, the board decided to continue administering this program through the National Dairy Council.

The board approved just over $1.9 million for continued and new research projects on subjects, including the effects of dietary calcium on bone mineral in various age segments, the use of dairy products in dietary management and the effects of dairy foods on various cancers, to name a few.

In a continuing effort to demonstrate the benefits of eating cultured dairy products — for example, yogurt — to stimulate the body's immune system, the board approved two research studies. One of the studies will determine whether yogurt eating in the elderly can enhance the benefits of a vaccination, and the other will evaluate yogurt's ability to prevent recurring vaginitis in women.

To provide more supporting scientific data to the chocolate milk campaign and other future product campaigns, the board approved $150,000 to fund research establishing the anti-cavity potential of dairy foods compared to other foods used for snacking.

Export Enhancement

Although much of the board meeting focussed on domestic activities and research, the export program was also a significant item on the agenda.

The top item in export was the board's approval of plans to step up promotion of value-added dairy products in Mexico by establishing local representation there.

Promotion activities will begin with research to identify how Mexican consumers feel about U.S. cheese, yogurt and ice cream.

Once the key benefits perceived by those consumers are identified, promotions based on those messages will begin. NDB will also work with U.S. exporters to provide them with trade contacts in Mexico as well as assist them in developing marketing strategies.

Among its promotions, NDB will sponsor a booth at a U.S. products trade show in Mexico City next year, fund a retail promotion for yogurt, and host a cheese trade seminar. NDB will put up $42,650 for the activities while USDA will provide $60,500 through the Foreign Agriculture Service.

The National Dairy Promotion and Research Board, composed of 36 dairy farmers, was established by the Dairy and Tobacco Adjustment Act of 1983 to develop and administer a coordinated program of promotion, re-search and nutrition education to strengthen the dairy industry's position in the marketplace.

This effort is financed by America' s dairy farmers.

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JD 444 4 Row Wide Corn Head....$3,650
JD 213 Rigid Head For Side Hill....$2,650
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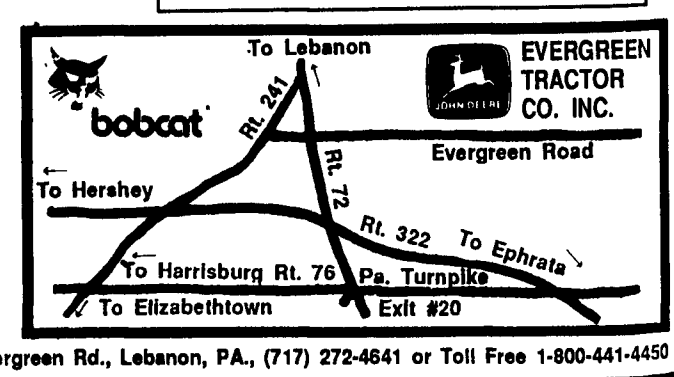

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Pennsylvania has good reason to be proud of its agricultural community, the leading force in our economy for 300 years. Our 53,000 farm families are some of the most productive in the world. Cash income from farm marketings in 1990 was $3.78 billion, a six percent increase over the previous year. Agricultural exports from the Keystone State were up again last year and now total $315 million annually.

In addition, agriculture stimulates $38 billion in economic activity and provides jobs for 20 percent of the state's workforce. The incredible efficiency and productivity of Pennsylvania's farmers and agribusinesses have kept the industry number one.

The Farm Show is part of Pennsylvania's rich agricultural heritage. Not only is it the premier showcase of this great industry, it's also the largest indoor agricultural exposition in the country, and it's free!

As an educational forum, the Farm Show has been instrumental in keeping farmers and consumers abreast of advances made in agriculture. As a marketing forum, the show gives farmers a chance to compare equipment, services and supplies, while providing agribusiness with an opportunity to develop new markets. As a social and planning forum, it offers agricultural organizations a perfect location to meet during the week to discuss key issues and plan for the future.

The State Farm Show is committed to exhibiting the best that agriculture has to offer and exhibitors will be handsomely rewarded for their efforts this year. To attract top quality agricultural products and livestock, a record $198,266 in premiums is being offered this year. The Farm Show has come a long way since 1917, with $735 in premiums and 440 entries.

This year's show is geared toward family more than ever. The show opens to the general public on Saturday instead of Sunday for the first time in its 75-year history. It closes on Thursday instead of Friday.

The schedule has been totally revised for this show because of the change in days. If you are involved in competition or you have a favorite breed you like to see judged, please check the new schedule.

I hope you will be able to join us this year as we pay tribute to our number one industry and the farm families who keep it number one.

Sincerely,

Boyd E. Wolff
Secretary of Agriculture

1992 Farm Show Judging Schedule

(Judging events only on Thursday and Friday. Show opens on Saturday, January 11, 1992.)

Time	Thursday Jan. 9	Friday Jan. 10	Saturday Jan. 11	Sunday Jan. 12	Monday Jan. 13	Tuesday Jan. 14	Wednesday Jan. 15	Thursday Jan. 16
8 a.m.		7 a.m.-Judging Live Poultry-LA Judging: Apiary Products-LA, Corn-EL, Edible Nuts-EL, Family Living & 4-H Opportunities - LAL, Fruits-EL	Judging Draft Horses Belgian, Clydesdale followed by Percheron-LA	Judging Eggs-LAL, Dressed Poultry-WL.	Judging Beef Cattle (in order) Ring 1, Polled Hereford, Limousin & Charolais: Ring 2, Simmental & Angus-LA, Sheep Judging (in order) Shropshire & Cheviot-SA	Judging Dairy Cattle Guernsey, Brown Swiss & Milking Shorthorn-LA, Junior Sheep Breeding Classes (in order) Cheviot, Cornedale, Dorset, Hampshire, Merino, Rambouillet, Shropshire, Southdown, Suffolk, Montadale, Columbia & Oxford-SA, 8:30 a.m.-4 p.m.-Vo-Ag Demonstration-LAU	8-11 a.m.-Vo-Ag Demonstration-LAU, 8:30 a.m.-Junior Beef Breeding Contest (in order) Angus, Charolais, Chianina, Limousin, Hereford, Polled Hereford, Shorthorn & Simmental-LA, Junior Market Swine Classes-SA	8:30 a.m.-Dairy Goat Judging (in order) Alpine, LaMancha, Nubian, Toggenberg, Other Purebreds & Recorded Grades LA.
9 a.m.		Judging Vocational Horticulture-LAL, Swine (in order), Berkshire, Chester White, Duroc, Hampshire Landrace, Poland China, Spotted & Yorkshire-SA, Tobacco WL, 9:30 a.m.-Judging Vegetables-WL.	9:30 a.m. - Supreme Champion Swine SA	Judging, School Exhibits-LAL, Sheep (in order) Dorset, Hampshire, Southdown, Suffolk SA.	9:30 a.m.-Vo-Ag Demonstration LAU	Judging Carcass Lamb On-Rail (off-site), 9:30 a.m.-Junior Market Lamb Classes followed by Junior Lamb Showmanship Contest-SA, Judging Dairy Cattle Holstein-LA.	4-H Potato Grading & Identification - MS	
10 a.m.		Judging, Hay-WL.	Swine Sales (in order) Duroc, Hampshire, Landrace, Yorkshire, Spotted Swine, Poland China, Chester White, Berkshire-SA, Blue Ribbon Apple Pie Contest LAU	Non-Denominational Worship Service.				Sale of Champions-SA.
11 a.m.			Cooking Demonstration-WL 11:30 a.m.-Supreme Champion Draft Horse LA, 11:45 a.m.-Youth Showmanship for Draft Horses LA	Governor's Review-LA	Cooking Demonstration-WL, Sheep Supreme Champion, Meat Breeds-SA	Cooking Demonstration-WL, Judging Dairy Cattle Ayrshire & Jersey-LA.	Cooking Demonstration - WL.	11:45 a.m. - Junior Market Swine Sale-SA
Noon	Judging, Maple Syrup Products-EL.	Judging Christmas Trees-ML, Small Grains-EL 12:30 p.m. - Potatoes WL.		Mummers Quaker City String Band-LA.			Junior Beef Steer Classes LA	
1 p.m.			Cooking Demonstration - WL.	Cooking Demonstration - WL, Cart Classes-LA, 1-6 p.m.-Draft Horse Hitched Competition-LA	Junior Shepherd's Contest-SA, Cooking Demonstration-WL.	Cooking Demonstration - WL.	Cooking Demonstration-WL.	Junior Market Lamb Sale SA
2 p.m.			Judging Eggs-LAL Greatest Cocoa Cake, Cookie Contest LAU 2-4 p.m.-Rodeo by PA High School Rodeo Association-LA.			1:30 p.m. - Supreme Champion of Dairy Breeds-LA.		Junior Steer Sale SA
3 p.m.			Cooking Demonstration - WL.	Intermission Duquesne University Tamburitzans-LA, Cooking Demonstrations WL.	Cooking Demonstration - WL, 3:30 p.m.-Beef Supreme Champion LA	Cooking Demonstration-WL.	Junior Swine Showmanship Contest-SA, Wool Judging-WL, Cooking Demonstration-WL, 3:15 p.m.-Grand Champion Steer-LA, 3:45 p.m.-Junior Beef Showmanship Contest-LA	
4 p.m.		Judging Mushrooms-WL.	4:30-5:30 p.m.-Cumberland Co 4-H Club Drill Team LA	Team Classes-LA.	4:30-6 p.m. - Entertainment - LA	4:30 p.m. Championship Horse Pulling Contest (in order) Lightweight, 6-Horse Hitch, & Heavyweight LA		1992 Farm Show Ends.
5 p.m.		Carcass Lamb Live Evaluation-SA	Cooking Demonstration - WL	Cooking Demonstration WL.	Cooking Demonstration-WL, 5-7 p.m.-Ilth Sheep To Shawl Contest-SA	Cooking Demonstration-WL.	Sheep Judging (in order) Rambouillet, Cornedale, Merino-SA; Cooking Demonstration-WL.	
6 p.m.		Judging Rabbits-LAU	6-8 p.m. - Rodeo-PA High School Rodeo Association-LA.			Dairy Fun Night-SA; Secretary of Agriculture's Welcome and Awards Presentation-SA	State Champion Pony Pulling Contest (in order) Lightweight, Mediumweight & Heavyweight Divisions-LA	
7 p.m.			Cooking Demonstration-WL.		Cooking Demonstration-WL; 7-9 p.m.-Folk Dance Festival & Contest-LA	Cooking Demonstration-WL.	Cooking Demonstration-WL.	
8 p.m.					Auction of Shawls-SA, Intermission Dance Demonstration		Supreme Champion Sheep, Wool Breeds-SA.	

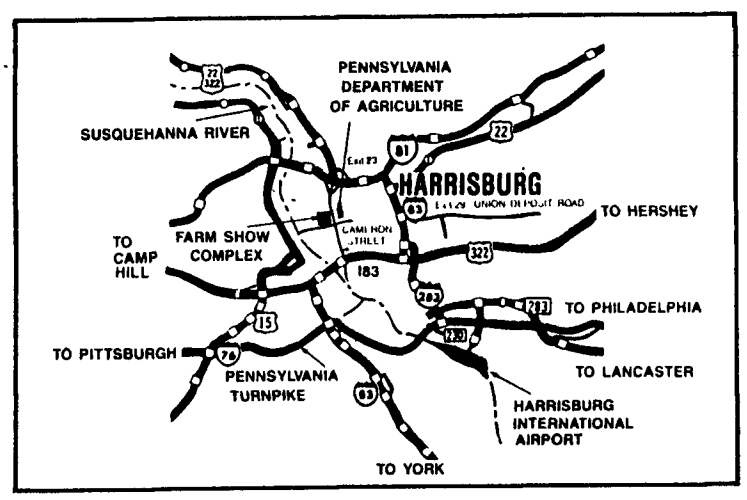
Exhibition And Meeting Schedule

Time	Saturday Jan. 11	Sunday Jan. 12	Monday Jan. 13	Tuesday Jan. 14	Wednesday Jan. 15	Thursday Jan. 16
9 a.m.		9:30 am-Pa. Suffolk Sheep Association, Room A-1	Society of Farm Women of Pa., Annual Convention, Forum Building	9:30 am-Ag Advisory Committee, Room B	4-H Potato Grading & Identification, Room E	
10 a.m.				10:45 am-Master Farmers Association, Annual Meeting, Penn Harris Motor Inn	Pa. Nut Growers Association, Room C	
11 a.m.				Commercial Exhibitors Meeting, Room E 11:30 am-Pa. Flying Farmers, Room A-1		
Noon			Master Gardners, Room D 12:30 pm-Pa. State Grange, Room B	Pennsylvania FFA, Mid-Winter Convention, Forum Building Pa. Brown Swiss Association, Room D Dairy of Distinction, Room E		
1 p.m.				Pa. Horse Pullers Meeting, Room B Master Corn Growers, Room C	Pa. Maple Producers Council, Room D	
2 p.m.	Draft Horse & Mule Association, Room B	Pa. Cattlemens Association, Room A-1		Pa. Livestock Association, Room E	Pa. Pony Pullers Meeting, Room A-1	
3 p.m.				Pa. Farm-City Council, Room A-1 Pa. Ayrshire Breeders Association, Room D		Dauphin County Master Gardners, Room A-1
5 p.m.				5:30 pm-Pa. Foundation Seed Co-operative, Room A-1		
6 p.m.	Annual Farm Show Reception & Dinner, Harrisburg Hilton & Towers			Pa. Dairymen's Association Annual Meeting & Banquet, Sheraton Harrisburg East Pa. Co-operative Potato Growers, Annual Banquet, Sheraton Harrisburg East		
7 p.m.				7:30 pm-Pa. State Rabbit Breeders Association, PA Room, Upper Concourse		

NOTE: Meeting Rooms A-1, B, C, D and E are on the Second Floor over the Main Lobby.

KEY:
E East Building, ML Main Lobby
EC Entire Complex, MS 2nd Floor Main Building
EL East Lobby, N North Building
LA Large Arena, NW Northwest Building
LAL Large Arena, O Outside Exhibits
Lower Concourse, SA Small Arena
LAU Large Arena, W West Building
Upper Concourse, WL West Lobby
M Main Building

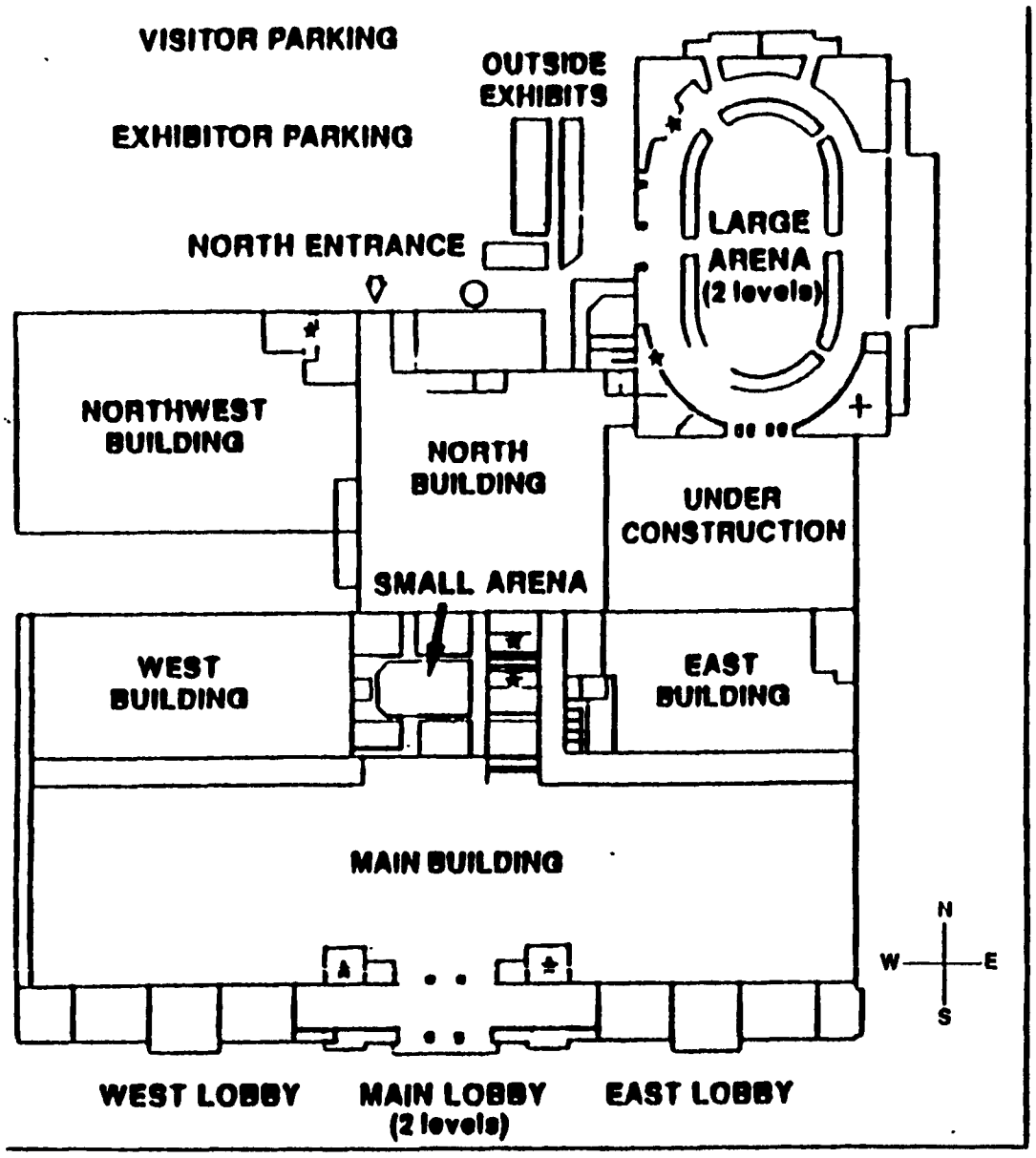
All Roads Lead To The Farm Show



Farm Show Complex

KEY

E	East Building
EC	Entire Complex
EL	East Lobby
LA	Large Arena
LAL	Large Arena, Lower Concourse
LAU	Large Arena, Upper Concourse
M	Main Building
ML	Main Lobby
MS	2nd Floor, Main Building
N	North Building
NW	Northwest Building
O	Outside Exhibits
SA	Small Arena
W	West Building
WL	West Lobby
+	Emergency Medical Services
★	Restrooms



General Information

* **Dates** are Saturday, January 11 through Thursday, January 16, 1992.
* **Hours** are 8 a.m. to 9 p.m. on Saturday, 11 a.m. to 6 p.m. on Sunday, 8 a.m. to 9 p.m. Monday through Wednesday, 8 a.m. to 4 p.m. Thursday.
* **Admission is** FREE for all events during Farm Show Week.
* **The Farm Show Complex** is located along Cameron and Maclay Streets in Harrisburg, just off Exit 23 of Interstate 81 Other major arteries also lead to the Complex.
* **Parking** is available on the 60-acre site for $2 per vehicle Overflow parking is offered at the Harrisburg Area Community College (HACC).
* **Shuttle bus service** will be provided from the Harrisburg Area Community College to the Farm Show Complex by Capitol Area Transit. The fee is 60 cents per passenger each way.
* **Handicapped Parking and access areas** are located at the West Circle, North Entrance and Large Arena
* **Restrooms** are located throughout the Farm Show Complex.
* **Coat Checks** are located in the Main Lobby and Large Arena. The fee is 50 cents per item
* **Information booths** are located throughout the Complex. If you can't find a display or need the starting time of an event, just stop by one of the six booths.
* **Security** during the Farm Show is provided by the Pennsylvania State Police, Farm Show Security and contracted security services
* **Lost & Found Items** are kept in the Farm Show Security Office, located in the corridor between the Main and North Buildings.
* **Food** is available throughout the Complex. The commodity food booths are now located in the East Building With seating for 600 people, the Cafeteria on the 2nd floor of the Main Building offers complete meals and alacarte items
* **The Emergency Medical Services Room** with doctors, nurses and ambulance attendants is located on the Lower Concourse of the Large Arena
* **Public pay telephones** are available throughout the Farm Show Complex.
* **The Director's Office and Press Room** are located on the Second Floor over the Main Lobby

Schedule Of Events

LOCATION OF DAILY ATTRACTIONS
Saturday through Thursday

Apiary Products - EL, Baby Chicks - LAL
Beef Cattle - NW, Butter Sculpture - ML
Cafeteria - MS, Cooking Demonstrations - WL
Christmas Trees - ML
Commercial & Educational Exhibits - E,LAL,LAU,M,N,O
Corn - EL, Dairy Cattle - N, Dressed Poultry - WL
Family Living Exhibits - LAL
4-H & Vo-Ag Exhibits - LAL,LAU, Fruits - WL
Goats (Thursday only) - LAL, Hay - WL, Horses - NW
Maple Products - EL, Milking Parlor - N
Mushrooms - WL, Older Pennsylvanian's Center - ML
Pennsylvani Food Court - E
Pennsylvania Food Pantry - WL, Poultry - LAL
Rabbits - LAU, Sheep - W, Small Grains - EL
Snack Bars - EC, Souvenirs - EC, Swine - W
Vegetables - WL, Wool - WL

THURSDAY, JANUARY 9, 1992
(Judging Only - Show Closed To The Public)
12 Noon- Judging: Maple Syrup Products - EL

FRIDAY, JANUARY 10, 1992
(Judging Only - Show Closed To The Public)
7 AM- Judging: Live Poultry - LA
8 AM- Judging: Apiary Products - EL
8 AM- Judging: Corn - EL
8 AM- Judging: Edible Nuts - EL
8 AM- Judging: Family Living & 4-H Opportunities - LAL
8 AM- Judging: Fruit - EL
9 AM- Judging: Vocational Hoticulture - LAL
9 AM- Swine Judging (in order): Berkshire, Chester White, Duroc, Hampshire, Landrace, Poland China, Spotted & Yorkshire - SA
9 AM- Judging: Tobacco - WL
9.30 AM- Judging: Vegetables - WL
10 AM- Judging: Hay - WL
12 Noon- Judging: Christmas Trees - ML
12 Noon- Judging: Small Grains - EL
12 30 PM- Judging: Potatoes - WL
4 PM- Judging: Mushrooms - WL
5 PM- Carcass Lamb Live Evaluation - SA
6 PM- Judging: Rabbits - LAU

SATURDAY, JANUARY 11, 1992
"Family Day"
8 AM-9 PM- DAILY ATTRACTIONS (see list) - EC
8 AM- Draft Horse Judging: Belgian - LA
8 AM- Draft Horse Judging: Clydesdale followed by Percheron - LA
9 30 AM- Supreme Champion Swine - SA
10 AM- Swine Sale (in order): Duroc, Hampshire, Landrace, Yorkshire, Spotted Swine, Poland China, Chester White, Berkshire - SA
10 AM- Blue Ribbon Apple Pie Contest - LAU
11 AM- Cooking Demonstration - WL
11:30 AM- Supreme Champion Draft Horse - LA
11:45 AM- Youth Showmanship for Draft Horses - LA
1 PM- Cooking Demonstration - WL
2 PM- Judging: Eggs - LAL
2 PM- Greatest Cocoa Cake and Cookie Contest - LAU
2-4 PM- Rodeo - Pennsylvania High School Rodeo Association - LA
3 PM- Cooking Demonstration - WL
4:30-5:30 PM- Cumberland County 4-H Club Drill Team - LA
5 PM- Cooking Demonstration - WL
6-8 PM- Rodeo - Pennsylvania High School Rodeo Association - LA
7 PM- Cooking Demonstration - WL

SUNDAY, JANUARY 12, 1992
"Governor's Day"
8 AM- Judging: Eggs - LAL
8 AM- Judging: Dressed Poultry - WL
9 AM- Judging: School Exhibits - LAL
9 AM- Sheep Judging (in order): Dorset, Hampshire, Southdown, Suffolk - SA
10 AM- Non-Denominational Worship Service
11 AM-6 PM- DAILY ATTRACTIONS (see list) - EC
11 AM- Governor's Review - LA
12 Noon- Mummers - Quaker City String Band - LA
1 PM- Cooking Demonstration - WL
1-6 PM- Draft Horse Hitched Competition - LA
1 PM- Cart Classes - LA
3 PM- Intermission - Duquesne University Tamburitzans - LA
3 PM- Cooking Demonstrations - WL
4 PM- Team Classes - LA
5 PM- Cooking Demonstration - WL

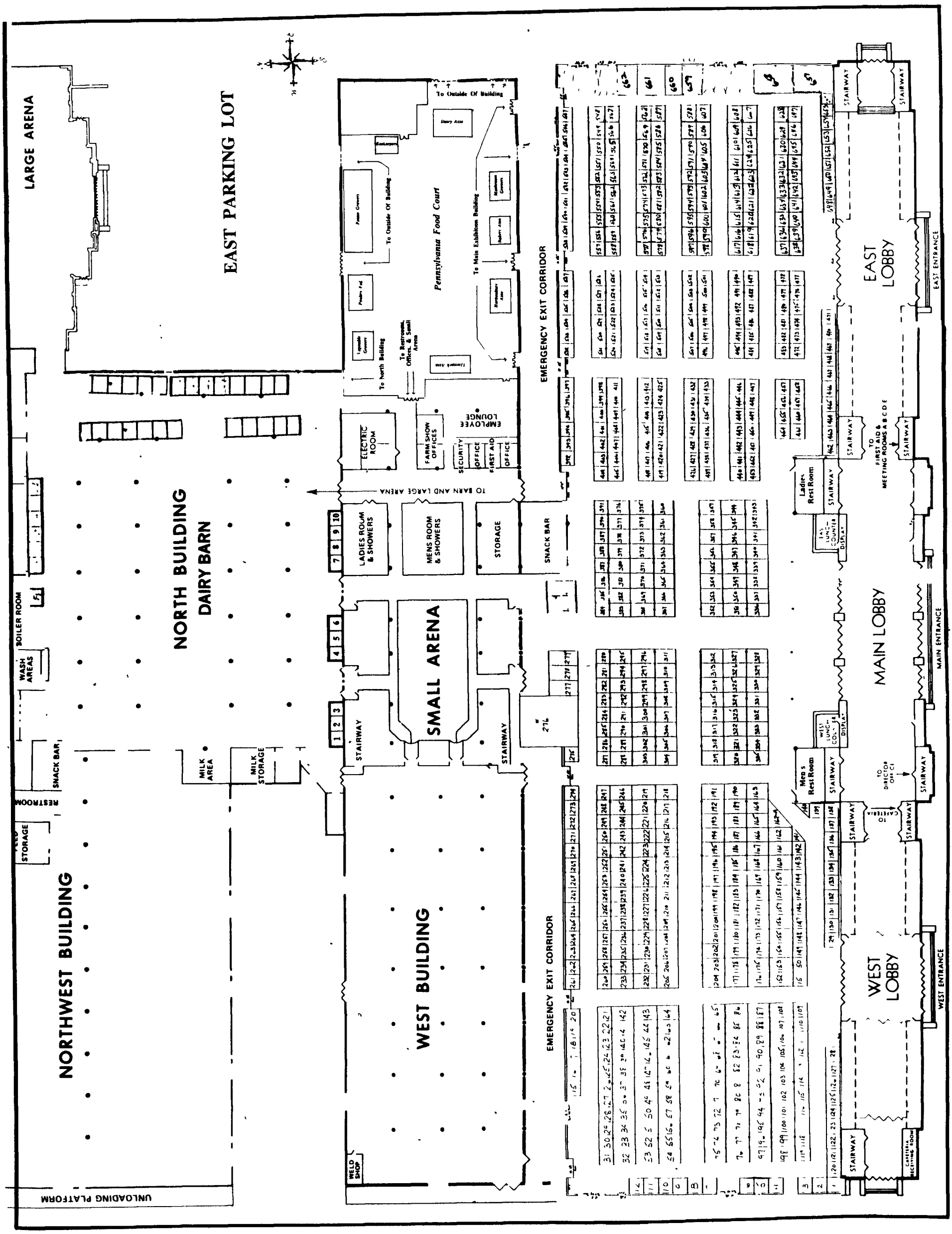
MONDAY, JANUARY 13, 1992
"Agricultural Heritage Day"
8 AM-9 PM- DAILY ATTRACTIONS (see list) - EC
8 AM- Beef Cattle Judging (in order): Ring 1 - Polled Hereford, Limousin & Charolais; Ring 2 - Simmental & Angus - LA
8 AM- Sheep Judging (in order): Shropshire & Cheviots - SA
9:30 AM-4 PM- Vo-Ag School Demonstration - LAU
11 AM- Cooking Demonstration - WL
11 AM- Sheep Supreme Champion, Meat Breeds - SA
1 PM- Junior Shepherd's Contest - SA
1 PM- Cooking Demonstration - WL
3 PM- Cooking Demonstration - WL
3:30 PM- Beef Supreme Champion - LA
4:30 AM-6 PM- Entertainment - LA
5 PM- Cooking Demonstration - WL
5-7 PM- 11th Annual Sheep to Shawl Contest - SA
8 PM - Auction of Shawls - SA
7 PM- Cooking Demonstration - WL
7-9 PM- Folk Dance Festival & Contest - LA
8 PM- Intermission: Dance Demonstration

TUESDAY, JANUARY 14, 1992
"Dairy Day"
8 AM-9 PM- DAILY ATTRACTIONS (see list) - EC
8 AM- Dairy Cattle Judging: Guernsey, Brown Swiss & Milking Shorthorn - LA
8 AM- Junior Sheep Breeding Classes (in order): Cheviot, Corriedale, Dorset, Hampshire, Merino, Rambouillet, Shropshire, Southdown, Suffolk, Montadale, Columbia & Oxford - SA
8:30 AM-4 PM- Vo-Ag School Demonstration - LAU
9 AM- Judging: Carcass Lamb On-Rail (off-site)
9:30 AM- Junior Market Lamb Classes followed by Junior Lamb Showmanship Contest - SA
9:30 AM- Dairy Cattle Judging: Holstein - LA
11 AM- Cooking Demonstration - WL
11 AM- Dairy Cattle Judging: Ayrshire & Jersey - LA
1 PM- Cooking Demonstration - WL
2:30 PM- Supreme Champion of Dairy Breeds - LA
3 PM- Cooking Demonstration - WL
4:30 PM- Championship Horse Pulling Contest (in order): Lightweight Horse Pulling, 6-Horse Hitch, Heavyweight Horse Pulling - LA
5 PM- Cooking Demonstration - WL
6 PM- Dairy Fun Night - SA
6 PM- Secretary of Agriculture's Welcome and Awards Presentation - SA
7 PM- Cooking Demonstration - WL

WEDNESDAY, JANUARY 15, 1992
"Youth Day"
8 AM-9 PM- DAILY ATTRACTIONS (see list) - EC
8-11 AM- Vo-Ag School Demonstration - LAU
8:30 AM- Junior Beef Breeding Contest (in order): Angus, Charolais, Chianina, Limousin, Hereford, Polled Hereford, Shorthorn & Simmental - LA
8:30 AM- Junior Market Swine Classes - SA
9 AM- 4-H Potato Grading & Identification - MS
11 AM- Cooking Demonstration - WL
12 Noon- Junior Beef Steer Classes - LA
1 PM- Cooking Demonstration - WL
3 PM- Junior Swine Showmanship Contest - SA
3 PM- Wool Judging - WL
3 PM- Cooking Demonstration - WL
3:15 PM- Grand Champion Steer - LA
3:45 PM- Junior Beef Showmanship Contest - LA
5 PM- Sheep Judging (in order): Rambouillet, Corriedale, Merino - SA
5 PM- Cooking Demonstration - WL
6 PM- State Championship Pony Pulling Contest (in order): Lightweight, Mediumweight & Heavyweight Divisions - LA
7 PM- Cooking Demonstration - WL
8 PM- Sheep Supreme Champion, Wool Breeds - SA

THURSDAY, JANUARY 16, 1992
"Sale of Champions Day"
8 AM-4 PM- DAILY ATTRACTIONS (see list) - EC
8:30 AM- Dairy Goat Judging (in order): Alpine, LaMancha, Nubian, Toggenburg, Other Purebreds & Recorded Grades - LA
10 AM- Sale of Champions - SA
11:15 AM- Junior Market Swine Sale - SA
1 PM- Junior Market Lamb Sale - SA
2 PM- Junior Steer Sale - SA
4 PM- 1992 Farm Show Ends

Farm Show Building Layout



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The List Of Exhibitors And Where To Find Them At The 1992 Farm Show.

COMMERICAL EXHIBITORS

MAIN FLOOR: Space Numbers 1 through 662.
NORTH BUILDING: Space Numbers beginning with N and followed by a number.
LOWER LEVEL LARGE ARENA: Space Numbers beginning with LL and followed by a number.
PENNSYLVANIA FOOD COURT: Commodity Associations.

Space #

ADADC N7-N10
Ag Fence Systems N14
Ag Bag Corporation 523-525
Ag Fence Systems ..... Outside 019
Ag Products Company, Inc. 583, 584
Ag-Chem Equipment Co., Inc. 348, 349, 354, 355
Ag. Stabilization & Conser. Serv. 393
Agri Business Ins. Agency, Inc. 552
Agri-King, Inc. 654, 655
Agri-Quip Corp. 662
Agricultural Vendor N27
Agrotec Incorporated 633-635
Agway, Inc. 365-370, 381-386
Alberta Ag-Industries, Ltd. 514, 515
Alfa-Laval Agri, Inc. Delaval Ag 416-418
Allen Company 483
Alo Canada, Inc. 92-94, 101-103, 114-116
Alpine Plant Foods Limited 453
Alternative Energy System ..... Outside 004
Altmeyers Western Wear ..... Outside 022-024
American Breeders Service N15, N16
Amsoil - Shirk Marketing Assoc N18
Anderson Tractor Sales 142, 161, 162, 165-167, 186-189, 193-195
Apple Agri Sales 593, 594
Aqua Blast Corporation 564, 565
Atlantic Breeders Coop. N39
Atlantic Dairy Cooperative N24
Atlas Steel Buildings, Inc. 614
Babson Brothers Company 402-404
Badger Associates 350-353
Badger Northland, Inc 286-289, 302-305
Badger's Agri Service, Inc. 24-26, 37-39
Beachley-Hardy Seed Co. 424, 425
Bender Machine Works 408
Berg Equipment Company 398, 399, 410, 411
Brittingham Plant Farms 446
Butler Manufacturing Company 648, 649
C.B. Hoober & Son, Inc. ..... Outside 009, 010
C.F.C. Distributors, Inc. 592
C.U. Stoltzfus, Inc. 4-6
C.B. Hoober & Son, Inc. 70-81
Cagle Manufacturing Co. 237, 238, 255, 256
Canadian Embassy Trade Office 30-33
Canns-Bilco Distr., Inc. 027-029, 034-036
Cargill Hybrid Seeds 636, 637
Carlton Seed Company, Inc. 442
Cattle Care Service 481
Century Manufacturing Co. 463
Clay Equipment Company 520-522, 529-531
Conklin Company N28, N29
Country Folks Lee Publications 613
Cub Cadet Corporation 338-341
Culligan Water Condition 618
Cummings And Bricker, Inc. 280-285, 290-298
Cummins Diesel Engines, Inc. 458
Dairy Equipment Company 526-528
Dekalb Plant Genetics 488-491
Delaware Valley College 518, 519
Dept. L & I - Emp. Sec. & Train. 535
Deutz-Allis Corporation 146-157, 171-182, 199-204
Doebler's PA Hybrids, Inc. 443-445
Dunham Alternator & Equipment, I 590, 591
E M. Herr Equipment Co. ..... Cash Counter 628, 629
E.M.M. Sales & Service, Inc. 622
Eastern Milk Prod. Coop. N22, N23
Easy Time Trailers, Inc. ..... LL5, Outside 005, 006
Eccles Nurseries, Inc. ..... Cash Counter 433, 434
Endless Mountain Equipment 50, 51, 56, 57
Endless Mountain Equipment ..... Outside 025-027
Environmental Systems, Inc. 630
Erth-Rite, Inc. 615, 616
Eshland Enterprises, Inc N35
Farm Tech Service, Inc 504
Farmmaster 422
Farmshine 543
Feedmobile Incorporated 659
Fellowship of Christian Farmers 459
Fenner Manheim, Inc. 652
Fiberdome, Inc. 266-268
Fickes Silo Company 18-20
Frank W. Winnie And Son, Inc 602
Furst McNess Company 516
Gallagher Spring Tight Power Fen 608, 627
Gans Tire Company 576-579
Gempler's, Inc 573
Grain Systems Inc. 646, 647
Great Plains Manufacturing, Inc. 163, 164, 189-192
Gro Mor Plant Food Co 620, 621
Growers Fertilizer Solutions 598, 599
GVM, Inc. 205-207, 230-232
Hamilton Equipment Co. 314-318, 320-325, 330-333
Hanover Shoe Company 462
Hatfield Quality Meats N3
Haybuster Manufacturing Co , Inc 661
Herr Foods, Inc. LL
Hi Score Plant Food Co 500, 501
Hoards Dairyman ..... Cash Counter 532
Hoffman Seeds, Inc. 493-495
Hostetler Truck Bodies ..... Outside 01-03, 031
Hostetler Truck Bodies N30-N32
Hytest Seeds, Inc. 478-480
J & J Agriproducts & Serv 473, 474
J. I. Case 65-69. 82-91, 104-113
J. Omar Landis Auction Service N21
J. S. Woodhouse Company 362-364, 371-373
Jacques Seed Company 505-507
Jamesway J-Star Industries 275, 276
Jeffers Vet Supply N33
Jorama Ranch ..... Outside 018
Joseph Swantak, Inc. 168-170, 183-185, 196-198
Kane Manufacturing Co. 537
Karcher Hydro Wash 7-9
Kencove Fence 499
Kendall Refining Company 472
Keystone Stihl 468-470
Krone Niemeyer 95-100, 117-119
Kubota Tractor Corporation 43-47, 60-64
Kuhn Farm Machinery, Inc. 214-223
Kutz Farm Equipment ..... Outside 007, 008
Kutz Farm Equipment, Inc. N13, N14
Lancaster Farming, Inc. 274
Landmark Genetics 409
Lely Corporation 136-140
Lester Building Systems 650, 651
Lincoln Electric Co. 460, 461
M & W Gear Company 657
M. H. Eby, Inc. ..... Outside 013-016
M. Worley Nurseries 450
Martin Water Conditioning 464-465
Melroe Company 208-213, 224-229
Mensch Manufacturing N4
Metro Cremo And Sons, Inc. N1, N2
Metz Sales, Inc., Hartman 423
Milk-Rite, U.S.A. 536
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Miracle Feeds, Inc. 492
Moritz, Inc. ..... Outside 029, 030, 032, 033
Morton Buildings 612
Moyers Chicks, Inc. 653
Mummau Tire Service 574, 575. 580, 581
Muncy Chief Hybrids, Inc. 447-449
Nasco ..... Cash Counter C1-C3
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National Feeding Systems, Inc. 15-17
National Weather Service 539
Niemeyer Corporation 312, 313, 326-329
Norbco, Inc. 127, 128
North Central Hydro Wash, Inc. 660
Northeast Agri Systems, Inc. N11, N12
Northrup King Company 431, 432
Nupulse Incorporated 440, 441
Old Guard Mutual Insurance Co. 645
P. Lebzelter & Son Company 658
P.S.U.- Independent Learning 553
PA Ag. Commodities Marketing Assoc. 609
PA Aggregates & Concrete 619
PA Dairy Promotion Progm. N6
PA Dept. of Environ. Resources LL4
PA Dept. of Environmental Res. 541
PA Dept. of Finance & Revenue LL13
PA Farmers Union 534
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Pennsylvania Cooperative Potato Growers
Pennsylvania Dairymens Association
Pennsylvania Livestock Association
Pennsylvania Mushroom Growers Association
Pennsylvania Poultry Federation
Pennsylvania State Beekeepers
Pennsylvania Vegetable Growers Association
State Horticultural Association of Pennsylvania

Meeting Dates And Times

SATURDAY, JANUARY 11, 1992
2:00 pm Draft Horse & Mule Association, Room B
6:00 pm Annual Farm Show Reception & Dinner, Harrisburg Hilton & Towers

SUNDAY, JANUARY 12, 1992
9:30 am Pa. Suffolk Sheep Association, Room A-1
2:00 pm Pa. Cattlemens Association, Room A-1

MONDAY, JANUARY 13, 1992
9:00 am Society of Farm Women of Pa., Annual Convention, Forum Building
12 noon Master Gardners, Room D
12:30 pm Pa. State Grange, Room B

TUESDAY, JANUARY 14, 1992
9:30 am Ag Advisory Committee, Room B
10:45 am Master Farmers Association, Annual Meeting, Penn Harris Motor Inn
11:00 am Commercial Exhibitors Meeting, Room E
11:30 am Pa. Flying Farmers, Room A-1
12 noon Pennsylvania FFA, Mid-Winter Convention, Forum Building
12 noon Pa. Brown Swiss Association, Room D
12 noon Dairy of Distinction, Room E
1:00 pm Pa. Horse Pullers Meeting, Room B
1:00 pm Master Corn Growers, Room C
2:00 pm Pa. Livestock Association, Room E
3:00 pm Pa. Farm-City Council, Room A-1
3:00 pm Pa. Ayrshire Breeders Association, Room D
5:30 pm Pa. Foundation Seed Co-operative, Room A-1
6:00 pm Pa. Dairymen's Association Annual Meeting & Banquet,
Sheraton Harrisburg East
6:00 pm Pa. Co-operative Potato Growers, Annual Banquet, Sheraton Harrisburg East
7:30 pm Pa. State Rabbit Breeders Association, PA Room, Upper.
Concourse

WEDNESDAY, JANUARY 15, 1992
9:00 am 4-H Potato Grading & Identification, Room E
10:00 am Pa. Nut Growers Association, Room C
1:00 pm Pa. Maple Producers Council, Room D
2:00 pm Pa. Pony Pullers Meeting, Room A-1

THURSDAY, JANUARY 16, 1992
3:00 pm Dauphin County Master Gardners, Room A-1

NOTE: Meeting Rooms A-1, B, C, D and E are on the Second Floor over the Main Lobby.

RCMA Elects Gardner President

SYRACUSE, NY— Lewis Gardner, the new president of the Regional Cooperative Marketing Agency Inc. (RCMA), challenges the organization's 22,000 dairy-farmer members throughout the Northeast to work together to earn higher prices for their milk.

"I don't believe we have even begun to reach our potential," he told the RCMA Board of Directors during its organizational meeting on December 13 when he was elected. "If we stick together as a board, I believe we can reach our potential. It can only be achieved with unity and common goals of directors and members."

Gardner, a dairy farmer from Galeton, Pa., replaces William G. Zuber of Churchville, N.Y., who served as RCMA president since 1984. Under Zuber's leadership, RCMA developed a program that generated approximately $70 million in payments known as "over-order premiums" to its dairy-farmer members from 1987 through 1989. Using New York State's Rogers-Allen Law, RCMA also won a state premium for New York dairy farmers that was paid June through September.

The New York program was copied throughout New England, generating a higher milk price paid to dairy farmers in those states, too.

RCMA's main goal is to increase the price of milk received by dairy farmers, who have been struggling for nearly a year as prices dropped to the same levels as the late 1970s. Many farmers have gone out of business because prices have been so low.

Gardner emphasized that if RCMA's membership, which includes dairy farmers throughout the 11 states of the Northeast, keeps the organization's goal in mind and works together to obtain that goal, then it will continue to be a strong economic force in the dairy industry.

Gardner is the president of Eastern Milk Producers Cooperative. A former Marine Corps demolitions instructor and a member of the presidential honor guard, he and his wife, Lois, purchased a 100-acre dairy farm in 1978. There they milk 55 cows out of a herd of 90 Holsteins, and rent another 150 tillable acres, growing mainly alfalfa and corn. Their three sons, Lewis III, Lee Thomas and Levi, all help operate the farm.

Other officers elected include Vice President Norman Harvey of Florence, Vt., president of Agri-Mark Cooperative; Secretary William Murphy, who operates Prospect Farms in Stamford, N.Y.; and Treasurer Lloyd Patterson of St. Johnsbury, Vt., president of Cabot Farmers Cooperative.

Dairy farmer members of the RCMA Executive Committee include Zuber, George Demeree of Little Falls, N.Y.; Donald Duncan of Robesonia, Pa.; Roy Hetrick of Bernville, Pa; Harold Howrigan of Fairfield, Vt.; Clyde Rutherford of Otego, N.Y.; and Robert Storch of Troy, Pa.

In other action, the Board of Directors approved the report of an ad hoc committee that recommended moving the RCMA office from Batavia to Syracuse by Jan. 31 and restructuring staff to prepare for future milk pricing initiatives. The committee presented a list of alternative pricing programs that are being studied for future action. The move and staff restructuring will allow RCMA to preserve more of its financial resources as the directors plan the next step.

RCMA Directors and Delegates were encouraged by Congressman James Walsh and New York State Senator Nancy Larraine Hoffman. Congressman Walsh, the Northeast's only member of the House Agriculture Committee, recounted the efforts during the year to get the House to enact a new dairy bill. He is urging Agriculture Secretary Edward Madigan to use administrative policies as he did last spring to keep milk prices higher.

Senator Hoffmann, who was instrumental in signing up many RCMA members in the mid 1980s, said she has sponsored a bill to change voting procedures under New York's Rogers-Allen Law so that ballots not returned no longer count as "no" votes. She said the state "would welcome your next petition" to activate emergency milk prices under Rogers-Allen.

Directors also authorized the RCMA Executive Committee to protect the interests of Northeast dairy farmers in discussions of the future of the federal milk marketing orders, which regulate milk prices throughout most of the U.S. Agriculture Secretary Madigan is inviting public comments about the future of the orders.

In late 1990, RCMA and some of its member cooperatives joined together to oppose changes in the pricing structure of the federal milk marketing orders that would have reduced the prices received by Northeast dairy farmers. The proved effective, for when the U.S. Department of Agriculture, announced its preliminary decision last month, there were no pricing changes that would hurt Northeast producers. RCMA's Executive Committee will consider reactivating the Coalition of the Northeast to make sure the interests of the Northeast's dairy farmers are represented and protected in the current discussions by the Agriculture Department.

During the RCMA annual meeting prior to the directors' meeting, delegates heard the year-end reports of President Zuber and Executive Director Carmen L. Ross. They summarized the success of RCMA's year: successful representation of the Northeast's interests in the federal order hearings and the implementation of Rogers-Allen emergency milk prices in New York State, with similar programs enacted throughout New England.

Both also stressed the need for unity among RCMA members and all dairy farmers in the Northeast. "We must work out some of the problems and move ahead together," Zuber said. "There is no question that we are going to need RCMA in the future. Dairy farmers will continue to need a unified voice working for higher prices."

Ross echoed a similar theme: "You can come together and work together as a team for the common good of all dairy farmers. If you do that, then RCMA has a bright future and will be an organization to be reckoned with in the dairy industry."

Gardner, as the newly elected president, pledged to work to further develop that unity of purpose. "If all the dairy farmers of the Northeast work in unity, then RCMA can achieve its goal of higher milk prices for its farmer members."

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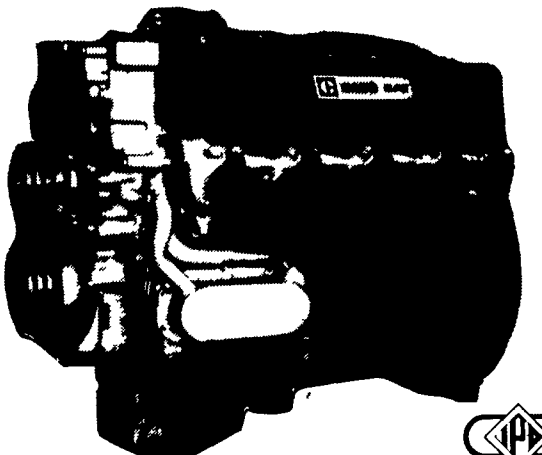

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Pennsylvania Dairy Herd Improvement Association

Management Information For Barn Use

RELATIVE FEED VALUES : Multiple Feedstuffs

PRICE INPUT: as of Dec 13, 1991

Shelled Corn Per Bushel ----> $3.14
44% Soybean Oilmeal Per Ton: $218.75

Crop/Feedstuff	Relative Feed Value	@ DM %
Table 1. Grains		
1 EAR CORN	101.16 Per Ton	85
2 EAR CORN, high moisture	73.63 Per Ton	65
3 EAR CORN, bushel basket	1.77 Per Bu.	85
4 CORN, shelled, high-moisture.	90.35 Per Ton	72
5 OATS, spring	1.80 Per Bu.	90
6 BARLEY, winter	2.93 Per Bu.	89
7 WHEAT, winter	3.49 Per Bu.	86
8 RYE, winter	3.29 Per Bu.	88
9 SORGHUM, grain	3.05 Per Bu.	89
10 SOYBEANS, whole, raw	6.32 Per Bu.	90
Table 2. Supplements & Extenders		
11 COTTONSEED MEAL	10.31 Per Cwt.	93
12 BREWER'S GRAIN, wet	38.15 Per Ton	24
13 BREWER'S GRAIN, dried	145.19 Per Ton	92
14 DIST. CORN GRAIN, dried	165.96 Per Ton	93
15 HOMINY FEED	6.37 Per Cwt.	91
16 CORN GLUTEN FEED	7.64 Per Cwt.	90
17 WHEAT BRAN	5.84 Per Cwt.	89
18 WHEAT MIDS	6.56 Per Cwt.	90
19 BEET PULP, dried	5.28 Per Cwt.	91
Table 3. Hay		
20 LEGUME	107.95 Per Ton	87
21 MIXED, mainly legume	103.24 Per Ton	87
22 MIXED, mainly grass	87.51 Per Ton	88
23 GRASS	84.45 Per Ton	89
Table 4. Silages		
24 CORN	35.50 Per Ton	34
25 LEGUME, haycrop	57.17 Per Ton	47
26 MIXED, mainly legume	53.20 Per Ton	46
27 MIXED, mainly grass	42.97 Per Ton	43
28 GRASS, haycrop	37.94 Per Ton	40
29 SMALL GRAIN	42.74 Per Ton	37
30 SORGHUM-SUDAN	36.37 Per Ton	34

Based on nutrient values in Penn State University Feeds Library.
Program by:
W. K. Waters, Dept. of Ag. Econ. & Rural Soc., Penn State Univers

Average Farm Feed Costs For Handy Reference

To help farmers across the state to have handy reference of commodity input costs in their feeding operations for DHIA record sheets or to develop livestock feed cost data, here's this week's average costs of various ingredients as compiled from regional reports across the state of Pennsylvania. Remember these are averages so you will need to adjust your figures up or down according to your location and the quality of your crop.

Corn, No. 2y - 2.76 BU. 4.94 CWT.
Wheat, No. 2 - 3.43 BU. 5.23 CWT.
Barley, No. 3 - 1.97 BU. 4.22 CWT.
Oats, No. 2 - 1.58 BU. 4.93 CWT.
Soybeans, No. 1 - 5.38 BU. 8.98 CWT.
Ear Corn - 66.54 BU. 3.33 CWT.
Alfalfa Hay - 115.00 TON 5.75 CWT.
Mixed Hay - 103.25 TON 5.16 CWT.
Timothy Hay - 111.25 TON 5.56 CWT.

How Does Your Herd Compare?

STATE COLLEGE (Centre Co.) — This data is pulled from Pennsylvania DHIA's mainframe computer each week. It is a one-week summary representing approximately one-fourth of the herds on test, as they are tested monthly.

DHIA Averages for all herds processed between 12/09/91 and 12/16/91

Number of Herds Processed	1,501
Number of Cows Processed	84,939
Number of Cows Per Herd	56.5
Milk Per Cow (Lbs)	18,024
%-Fat	3.66
Fat Per Cow (Lbs)	660
%-Protein	3.17
Protein Per Cow (Lbs)	572
Average Days in Milk Per Cow	317
*Value for CWT Milk($)	12.12
*Value for CWT Grain($)	7.73
*Value for CWT Hay($)	4.20
*Value for CWT Silage($)	1.54
*Value for Pasture Per Day($)	.27
*Value for Milk Per Cow Per Year($)	2,186
*Feed Consumed Per Cow Per Year(Lbs)	
A: Grain	7,119
B: Hay	2,483
C: Silage	15,035
D: Day Pasture	54
*Feed Cost Per Cow Per Year($)	
A: Grain	551
B: Hay	104
C: Silage	232
D: Pasture	14
*Total Feed Cost Per Cow Per Year($)	903
*Income Over Feed Costs Per Year($)	1,283
*Grain to Milk Ratio	1:2.5
*Feed Cost Per CWT Milk($)	5.01
Avg Level For 1268 SCC Herds	331,626

*Member generated figures

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Oley — PIKEVILLE EQUIPMENT, INC.
Quarryville — GRUMELLI FARM SERVICE
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Frederick — CERESVILLE FORD NEW HOLLAND
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Columbus — REED BROTHERS EQUIPMENT
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ROLLING ON...IN THE 90's
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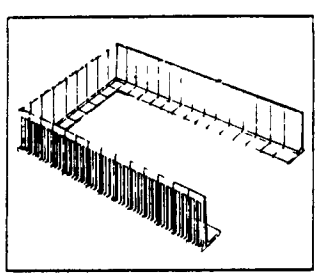

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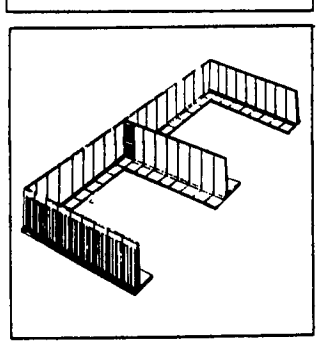

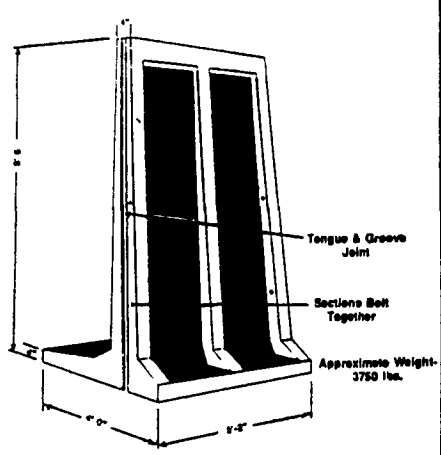

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Daview Farms

(Continued from Page A1)

to Glenn Brubaker, Womelsdorf R.D. 1, at 121,000 SCC. Second lowest were Harold Schuler, Fleetwood R.D.2, and Forrest Striker, Wernersville, both at 129,000.

Russelldale Holsteins, Richland R.D. 1, scooped up a handful of prizes: first place for herd management with 93 points. Russelldale also won most improved herd for milk at +6,278 pounds; most improved herd for protein at +211 pounds and most improved herd for fat at +219 pounds.

Clarence Kreider, New Tripoli R.D. 3, won second place for herd management with 87 points.

In cow awards, Sandy, of Rothrock Golden Holstein, Kempton R.D. 1, won the high lifetime milk with 262,248 pounds. Sandy also won high lifetime protein with 7,665 pounds.

Cow No. 108 at the Scattered Acres farm, 209 Hartman Rd., Reading, won high lifetime fat at 8,970 pounds.

In the single lactation category, the following cows won.

Ayrshire: Scarlet, owned by William Claxton, Womelsdorf R.D. 2, at 21,254 pounds milk and 785 pounds of butterfat; Rana, owned by Heindel Farms, Womelsdorf R.D. 2, with 637 pounds protein.

Brown Swiss: No. 103, owned by Martin and Missy Moyer, Womelsdorf R.D.1. high milk at 21,944 pounds and high protein at 751 pounds; Dotson, owned by Richard Hoffman, high fat at 750 pounds.

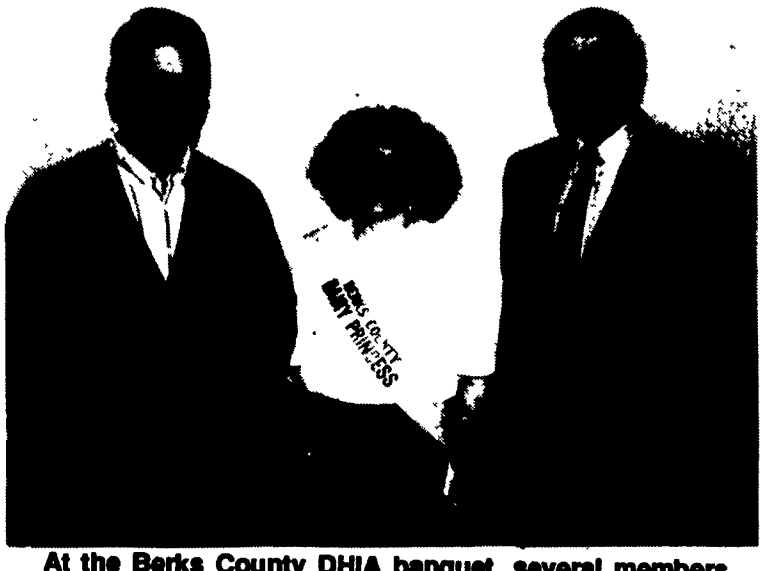
Guernsey: No. 288, owned by Marlin Stoltzfus, Douglassville R.D. 2, high milk at 16,184 pounds; Heineke, owned by R Lost Creek, Boyertown R.D. 3, high protein at 610 pounds; Daisy, owned by Claxton, high fat at 757 pounds.

Holstein: FiFi, owned by Plushanski Farms, Kutztown, won all three categories — high milk at 37,210 pounds, high protein at 1,303 pounds, and high fat at 1,688 pounds.

Jersey: No. 441, owned by Robert Dreisbach, Hamburg R.D. 3, won all three categories — high milk at 20,934 pounds, protein at 783 pounds, and fat at 967 pounds.

Milking Shorthorns: Susan, owned by Samuel Yoder, Shoemakersville, won all three categories — milk at 18,901 pounds, protein at 611 pounds, and fat at 625 pounds.

Jim Garrity of the state DHIA was the guest speaker.



At the Berks County DHIA banquet, several members were honored for top production. From left, Forrest Stricker, second place low SCC; Kelly Geisinger, dairy princess; and Harold Schuler, second place low SCC (ties with Stricker).

Oberheim Appointed

(Continued from Page A1)

Penn State after 34 years of service. Harrington directed Ag Progress Days for 16 years.

"It's a tremendous honor to follow in the footsteps of Joe Harrington," says Oberheim. "He's one of many Penn State faculty members who have helped guide my career, teaching me both through example and encouragement.

"Ag Progress Days has an excellent support staff already in place," says Oberheim. "I look forward to working with them. With the help of everyone in the College, the event can continue to grow and improve, serving both the public and agricultural industries.

"Ag Progress Days is an excellent opportunity to educate the public about what agriculture does for them and the tremendous potential agricultural sciences have for bettering our lives in the future," he says.

Oberheim already has experience with Ag Progress Days, a three-day event held every August that includes education exhibits, tours of Penn State research facilities and machinery displays and demonstrations.

In 1979, after graduating with a B.S. in agronomy from Delaware Valley College, Oberheim assisted Harrington with the event, helping to lay out the site, relocate roads and improve buildings.

That fall he began working as a senior research aide on forage breeding experiments at the USDA Pasture Research Lab. He received his master's degree in agronomy from Penn State in 1983.

From 1982 to 1987, he was responsible for the forage variety trials at Rock Springs. He then was appointed manager of the horticulture farm, where he oversees research facilities and manages the staff.

Among the improvements he has instituted on the farm are computerization of field records and inventories of pesticides, fertilizers and other farm supplies. He helped lay out new orchards and made extensive site improvements.

Oberheim also serves as facilities coordinator for the Department of Horticulture, overseeing the budget and general management of campus greenhouses and the flower and vegetable trial gardens.

Oberheim will continue to be based at Rock Springs. He looks forward to assuming his new responsibilities and says playing a dual role shouldn't pose a problem. "The hort farm is busiest from mid-April to early June and in October," he says. "Ag Progress Days will demand most of my time in July and August."

A Bellefonte native, Oberheim began working on a local dairy farm at age 12, an experience he says spurred his interest in agriculture. "I love to farm," he says. "Some of my friends have their own operations, and when I can steal the time, I enjoy helping them out."

He lives in Lemont with his wife, Dona. He enjoys boating at Lake Raystown, fishing and hunting.

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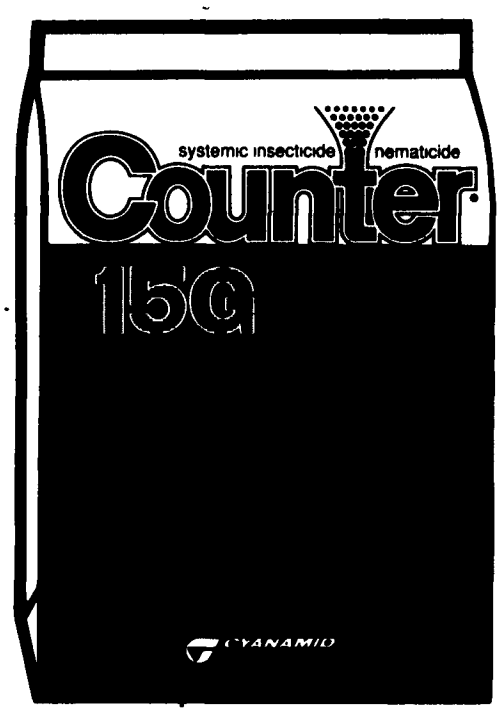

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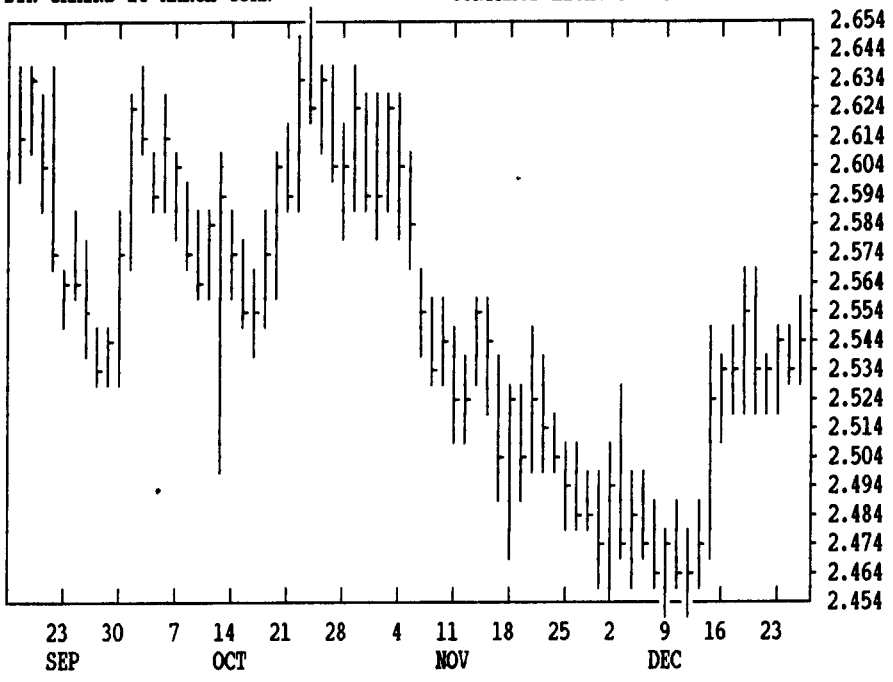


DTN FUTURES 10 12/20/91 TECHNICAL COMMENTS

	PAST WEEK'S (ENDING 12/20) HIGH	LOW	CLOSE	NOV'S (ENDING 11/29) HIGH	LOW	CURRENT SUPPORT	RESISTANCE
SPOT WHT	4.07	3.86	3.90 1/2	3.75 1/2	3.44 1/2	3.44 1/2	4.20
JUL WHT	3.38 1/4	3.30 1/2	3.36 1/4	3.29 3/4	3.15	3.18	3.50
SPOT KC	3.98 1/2	3.86 1/2	3.91 1/2	3.78 1/2	3.47 1/2	3.47 1/2	4.00
KC MAR	3.93	3.83 1/4	3.91 1/2	3.77 1/4	3.48 1/2	3.48 1/2	4.00
SPOT MIN	3.80	3.72	3.78	3.61	3.30	3.24	??
SPOT CN	2.54	2.46	2.53 3/4	2.55	2.37 3/4	2.36	2.55
JUL CORN	2.67 1/4	2.62 1/4	2.63 3/4	2.72	2.58	2.55	2.68
DEC92 CN	2.58 1/2	2.55	2.56 3/4	2.57 1/2	2.52	2.48	2.61
SPOT BNS	5.59 1/4	5.48 1/2	5.56 3/4	5.74	5.45 1/2	5.38 1/2	5.78 1/2
JLY BNS	5.77 1/2	5.69	5.74 1/4	5.95 1/4	5.69 1/4	5.60	6.04
NOV92 BN	5.82	5.75 1/4	5.81 1/2	5.89 3/4	5.68	5.62	6.00
SPOT MEAL	173.90	168.60	173.60	183.80	174.30	167.50	185.00
SPOT OIL	19.27	18.90	18.99	19.72	18.65	18.65	20.00
SPOT CTL	71.82	67.50	67.90	76.52	72.07	??	76.30
APR CTTL	73.80	70.45	70.72	75.82	72.90	??	76.00
SPOT FDR	80.30	75.70	76.15	84.45	81.25	??	82.50
SPOT HOGS	42.05	40.55	41.32	42.70	40.37	40.00	42.70
APR HOGS	39.65	38.30	38.77	41.40	39.80	38.30	40.00
SPOT BLY	39.40	36.55	36.75	42.50	38.80	37.07	42.50

LIVE CATTLE

	HIGH	LOW	LAST	CHG
FEB	7100	7042	7057*	-32
APR	7235	7182	7190*	-42
JUN	6860	6815	6835*	-15
AUG	6675	6635	6637*	-32
OCT	6725	6675	6695*	-30
DEC	6800	6755	6790*	-5
FEB				
APR				

SWISS FRANC

MAR	7393	7365	7380*	+30
JUN	7320	7299	7308*	+30
SEP	7260	7225	7242*	+30

BRITISH POUND

MAR	18646	18566	18608*	+126
JUN	18346	18280	18310*	+126
SEP	18066	18030	18036*	+126

JAPANESE YEN

MAR	7893	7861	7891*	+78
JUN	7870	7838	7865*	+79
SEP	7849	7838	7849*	+80

CORN

	HIGH	LOW	LAST	CHG
MAR	2554	2540	2550*	+10
MAY	2612	2600	2606*	+10
JLY	2654	2644	2654*	+12
SEP	2616	2610	2614*	+12
DEC	2586	2566	2584*	+16
MAR	2650	2640	2650*	+20
MAY	2690	2680	2690*	
JLY				
SEP				

SOYBEANS

JAN	5650	5584	5646*	+26
MAR	5694	5626	5692*	+32
MAY	5752	5684	5744*	+22
JLY	5830	5772	5826*	+20
AUG	5854	5814	5854*	+12
SEP	5870	5830	5870*	+10
NOV	5944	5854	5932*	+44
JAN	5996	5964	5996*	+16
MAR	6100	6064	6100*	+20
MAY				

FEEDER CATTLE

	HIGH	LOW	LAST	CHG
JAN	7730	7672	7675*	-50
MAR	7575	7465	7477*	-85
APR	7510	7430	7432*	-60
MAY	7410	7320	7322*	-77
AUG	7400	7345	7347*	-27
SEP	7320	7267	7275*	-12
OCT	7275	7250	7257*	-17
NOV	7255	7255	7255*	0

EURODOLLAR

MAR	9591	9589	9589*	0
JUN	9577	9575	9576*	+1
SEP	9554	9552	9553*	0
DEC	9505	9503	9504*	+1
MAR	9478	9476	9478*	+2
JUN	9435	9431	9434*	+2

S&P 500 INDEX

MAR	40630	40060	40600*	+510
JUN	40740	40185	40725*	+510
SEP	40840	40310	40835*	+520
DEC	40980	40410	40935*	+520

CHICAGO WHEAT

	HIGH	LOW	LAST	CHG
MAR	4060	4000	4056*	+50
MAY	3814	3760	3804*	+44
JLY	3422	3394	3410*	+4
SEP	3470	3434	3462*	+12
DEC	3554	3532	3554*	+24
MAR	3594	3594	3594*	+24

OATS

MAR	1404	1390	1400*	+10
MAY	1420	1410	1420*	+10
JLY	1434	1424	1434*	+14
SEP	1460	1450	1460*	+14

SOYBEAN MEAL

JAN	1776	1744	1773*	+21
MAR	1752	1727	1749*	+16
MAY	1752	1727	1752*	+21
JLY	1765	1737	1765*	+20
AUG	1772	1748	1772*	+22
SEP	1765	1750	1765*	+14
OCT	1900	1873	1897*	+20
DEC	1905	1893	1905*	+10

LIVE HOGS

	HIGH	LOW	LAST	CHG
FEB	4080	4000	4010*	-70
APR	3885	3820	3830*	-45
JUN	4390	4347	4352*	-30
JLY	4435	4402	4402*	-20
AUG	4345	4310	4312*	-25
OCT	4057	4040	4045*	-20
DEC	4300	4290	4290*	-5
FEB	4372	4365	4365*	-10

PORK BELLIES

FEB	3720	3640	3667*	-15
MAR	3765	3690	3702*	-12
MAY	3845	3785	3820*	-5
JLY	3890	3845	3872*	-2
AUG	3840	3790	3827*	+30
FEB				

W. GERMAN MARK

MAR	6562	6536	6555*	+45
JUN	6478	6451	6469*	+45
SEP	6391	6378	6391*	+45
DEC	6323	6278	6323*	+45

K.C. WHEAT

	HIGH	LOW	LAST	CHG
MAR	4040	3986	4036*	+52
MAY	3780	3732	3780*	+46
JLY	3434	3410	3426*	+14
SEP	3460	3434	3460*	+14
DEC			3500b	

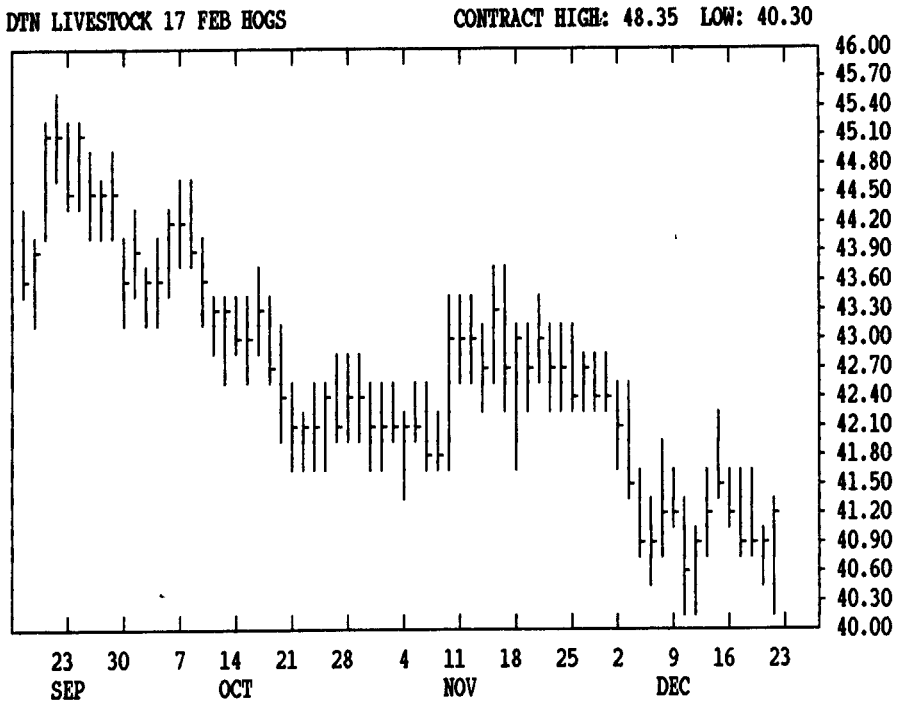
MINN WHEAT

MAR	3900	3852	3890*	+36
MAY	3742	3690	3732*	+44
JLY	3556	3520	3550*	+40
SEP	3444	3430	3444*	+24
DEC			3490*	+10

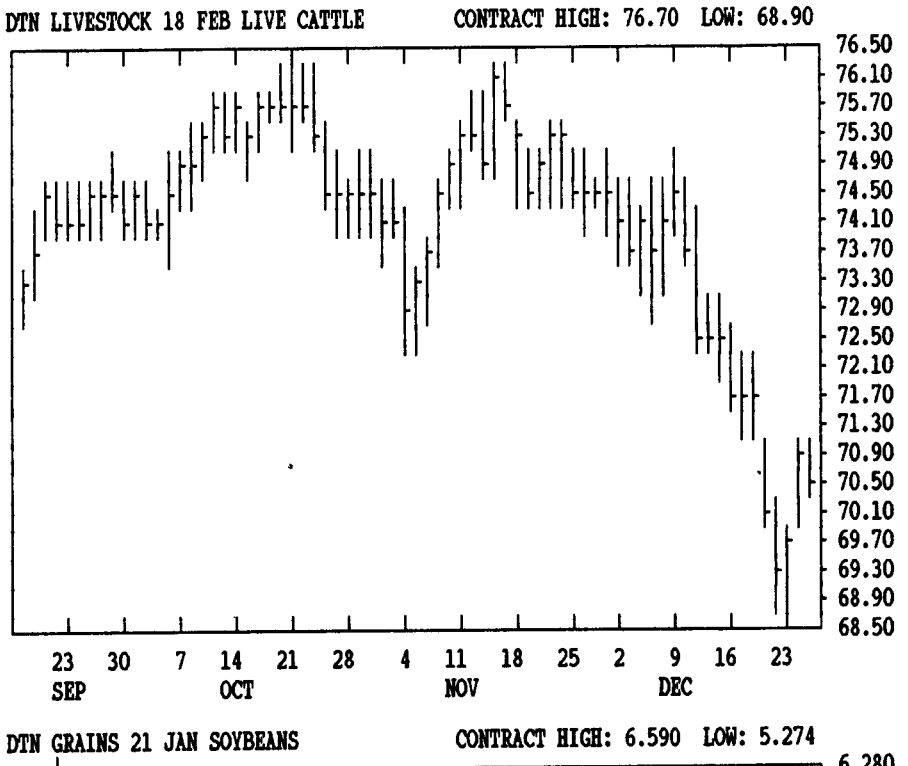
SOYBEAN OIL

JAN	1936	1880	1906*	-19
MAR	1967	1905	1937*	-16
MAY	1996	1941	1967*	-16
JLY	2025	1975	1995*	-15
AUG	2010	1995	2010*	-17
SEP	2020	2008	2020*	-12
OCT	2025	2015	2025*	-12
DEC	2060	2050	2055*	-20

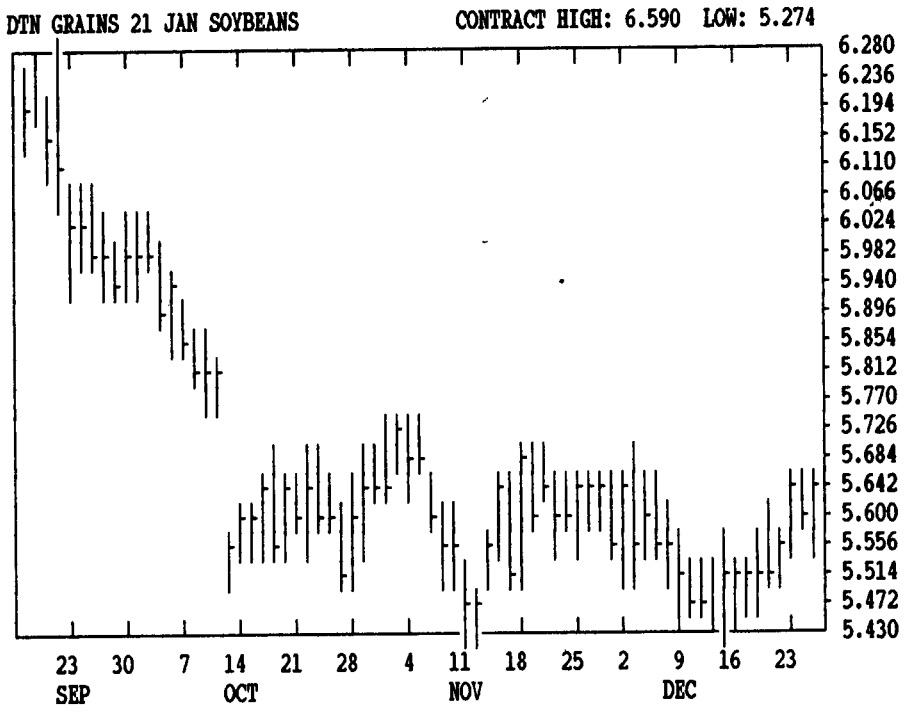
DTN LIVESTOCK 17 FEB HOGS CONTRACT HIGH: 48.35 LOW: 40.30



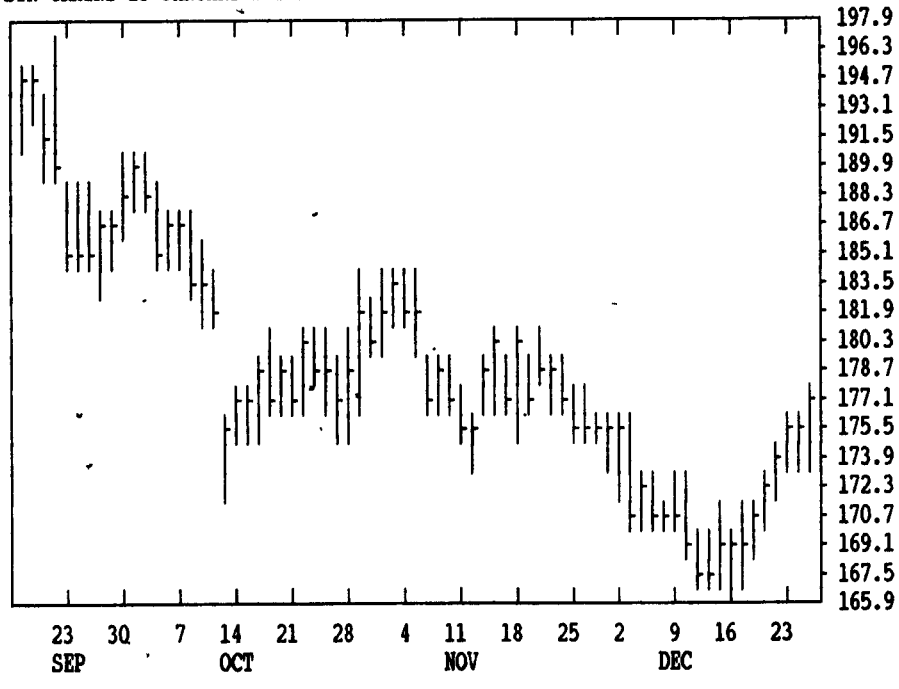
DTN LIVESTOCK 18 FEB LIVE CATTLE CONTRACT HIGH: 76.70 LOW: 68.90



DTN GRAINS 21 JAN SOYBEANS CONTRACT HIGH: 6.590 LOW: 5.274



DTN GRAINS 23 JANUARY SOY MEAL CONTRACT HIGH: 196.3 LOW: 161.3



Farm Forum

(Continued from Page A10)

reflective of actual consumer demand.

As an economics professor, Congressman Dick Armey told his students quote: the market is rational; the government is dumb end quote. We should know better than to despise the market and trust the government. Frankly we ought to be ashamed of this farm welfare system, not only because it costs taxpayers hundreds of billions of dollars but because it is a merry-go-round of self-harm. We should become less fearful of market forces and start realizing that our real enemy is government forces in a business where free enterprise could be keeping things in balance.

Life after deregulation would not be a life void of cows, milk, and farms. However it might well be the beginning of an era where we resume responsibility for nurturing the business we love, and where our self-sufficiency is once again proven.

Thank-you for a fine publication.

Nathan Lapp
Cassalea Farms
Cassadaga, N.Y.

Editor,

I am one of several dairy farmers from Sauk County, Wisconsin who authored the "Dump The National Dairy Board" petition now circulating around the United States. In October we began a drive to collect 20,000 signatures (over 10% of the nation's dairy farmers) to legally force a referendum on the future existence of the National Dairy Research and Promotion Board (NDB). We expect to deliver the signed petition to the U.S.D.A. on April 15, 1992, our National Tax Day. If you would like to see a petition write me at E10469 Sunset Rd., Baraboo, WI 53913 or call at 608-356-5431.

The NDB has an annual budget of $80 million. They don't have to raise a penny of that money; it is all deducted from our milk checks. They merely have to spend it, and they are very good at that. They pay "our" Chief Executive Office, Cynthia Carson, $140,000 per year, a salary hidden in their deceptive aggregate budget disclosures. They pay "our" 36 appointed farmer board members' expenses and per diem' for several meetings a year at various vacation spots around the country. They fund publications and individuals in the media which in turn promote not our dairy products, but "our" dairy board. And yes, they have spent $2 million promoting BGH milk. For this they have been under attack from various consumer groups. But the real enemies of the NDB, it turns out, are the very farmers who finance it.

BGH is a hot issue where I come from. A recent poll of the Wisconsin Independent Business Association showed farmers against its legalization by 10-1. After a neighborhood meeting in November 1990, at Drea's Hall in Loreto, Wis., 52 milk producers signed a letter to our milk plants saying we did not want to do business with any processor who now or in the future would accept BGH milk. We got our point across. University herd trials were cancelled; consumers thanked us for our efforts; our legislature recently passed a second ban on BGH extending until June 1993.

But soon after we sent our letter we heard about the NDB promoting BGH, or, in their words, defending the quality and goodness of milk with synthetic BST in it. At first we found this unbelievable. But very soon we came to realize that the NDB does not represent the interests or concerns of dairy farmers; its agenda has nothing to do with trying to raise the farm price of milk; its interest is not in the type of product consumers want but one which certain chemical companies say they must have.

In a food industry where there have been justifiable consumer concerns about hormones in beef and chicken, wouldn't it make good sense for the dairy sector to pledge itself to a hormone-free product and a milking routine without needles and syringes? NDB didn't think so. Despite outrage from farmers and backlash from consumers, they have continued on their BGH "education" tack. Apparently since consumers don't want it, the NDB is prepared to drive it down their throats. All this at a time when FDA approval of BGH has not, and may never come.

Despite dubious research projects and ill-fated BGH promotion funded by the NDB. Vice President Richard Weiss would have you believe the dairy farmer gets back $4.77 for every dollar he "invests" in the NDB. This is a joke, especially in light of the U.S.D.A.'s 1988 Haldacher report on "Consumer Demand For Dairy Products." On page 54 of this report the researchers are compelled to conclude that "advertising has relatively little effect on demand when compared with price and income". But if you choose to believe Weiss, consider the implications. He is saying that your $.05 per cwt (hundredweight) in effect raises your bottom line milk price $.24. Thus if you let the NDB take $.50 per cwt, you could raise the milk price by $2.40. More money for NDB salaries, vacations, BGH promo, media subsidies, and farmers would get rich besides.

Let's get real. There is money being made in the dairy industry, but not by farmers. The NDB is symptomatic of an industry hierarchy which has its hand in the farmer's pocket day in and day out, and cares not for his future. The welfare of the dairy cow and dignity of the husbandman (or woman) no longer drive the dairy industry nor shape the dairy policy of this country.

Editor:

As one of the three largest counties in PA state DHIA system, we feel we should state our position on centralization.

We have been and continue to be opposed to centralization. We see little or no benefit to our membership, the biggest drawback being the loss of local control over the fees our membership pays. We have no problem with the counties that want to centralize, but no well managed and financially sound county should be forced to centralize. We have asked the state board and the administration to come up with a plan by which counties such as ours could stay independent and still stay within the system. So far we have heard no response.

We still have the goal to stay within the system but if no plan is forthcoming we will explore our own alternatives. If it means taking our business elsewhere, so be it. We stand behind Lancaster County DHIA 100%. If no acceptable plan is presented to us in the near future we will probably leave PA State DHIA.

William Hennip
Chairman Centralization Committee
Bradford County DHIA
Board of Directors

Penn State College Of Ag Changes Name

(Continued from Page A1)

While traditional agricultural studies still are very much a part of the College, it also offers programs for students interested in such areas as business, medicine, science, engineering, natural resources, journalism and teaching, among others.

"The number of career possibilities in the agricultural sciences surprises many prospective students," says Dr. James Mortensen, associate dean of resident education. "After visiting the College and speaking with faculty and undergraduates, prospective students realize they can achieve a broad education with a strong background in their interest areas."

The College offers 20 undergraduate majors, all of which offer opportunities for internships and other practical experience as well as the chance to study abroad.

"All the College's majors have some flexibility so that students can develop programs tailored to their interests and career goals," says Dr. Marianne Houser, coordinator of undergraduate recruitment. "Each department offers career counseling and maintains contacts with businesses and industries."

Also offered are 13 minors, designed to allow students to strengthen areas outside their majors, broaden skills and understanding and increase employment opportunities. At the graduate level, the College has 16 programs and participates in 8 intercollege programs.

To learn more about Penn State's College of Agricultural Sciences, contact the Office for Resident Education, at (814) 865-7521, or plan to visit the Penn State exhibits at the 76th annual Pennsylvania State Farm Show, Jan. 11-16 in Harrisburg.

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NFO Issues Call To Battle

AMES, Iowa — "Operation Dairy Storm" is underway.

The offensive campaign to wage war on low milk prices is being coordinated by National Farmers Organization "dairy commander" Walt Albers.

The shock troops are hundreds of NFO "Milk Movers" throughout the nation.

"Operation Dairy Storm" is the tongue-in-cheek code name for the NFO's pseudo-military campaign to fight unprofitable milk prices.

However, in the trenches of America's dairy barns, "Operation Dairy Storm" is a dead-serious collective bargaining program, launched with the objective to maintain recent raw milk price gains until NFO can build them to stable, profitable prices.

D-Day for "Operation Dairy Storm" was the dairy department's meeting during the NFO's 35th annual convention in Oklahoma City.

Albers, NFO Dairy Department Director, told NFO members and dairy department employees that "this well-coordinated national effort to build NFO's milk volume will end in nothing less than victory. We've got to maintain and gain on milk prices or thousands of family dairy farms will become economic 'casualties' when the spring milk flush hits the market and drives prices down."

Albers said that "Operation Dairy Storm" is the second phase of an NFO tactical program to hike milk prices. The first phase, "Operation Dairy Shield," was launched more than a month ago. It's objective was to send 2 percent of the nation's milk cows to slaughter in an orderly fashion that would not break cow beef prices.

"'Operation Dairy Shield' has had a tremendous reception by the nation's dairy farmers as a logical supply management tool," Albers said.

"NFO members and non-members alike are blocking their milk cows into volume units that NFO's bargainers are negotiating premium prices for. After we announced Dairy Shield, thousands of cows from Vermont to the Dakotas went to slaughter through NFO's livestock program," he said.

"Those cows represented 75-million pounds of annual milk production. That milk is gone from the market forever, plus, all the future lactations and heifer calves those cows represented."

"'Operation Dairy Shield' also met its mark of not disrupting the cow beef market," Albers said. "When we announced the program, Andy Neutzling, director of the NFO's Slaughter Cattle Division, says the dressed cow-beef price was $91/cwt. After we blocked our first cows and offered them to the market at strategic times for the packers, Andy reports we sold them at $96.50/ cwt. The second wave of 'Operation Dairy Shield' cows did even better. NFO's livestock negotiators bargained a price of $100/cwt for those cows."

In Oklahoma City, Albers said that the key tactic of "Operation Dairy Storm" is for hundreds of mobilized NFO "Milk Movers" to hit the roads of rural America to explain the maintain and gain purpose of the program to dairy farmers and get them to enlist in the campaign for higher milk prices.

"The Milk Movers will be easily identified," Albers said. "They'll be wearing 'Operation Dairy Storm' camo caps and they'll be armed with all the information needed to put new milk on NFO tankers."

The NFO dairy leader and his staff cited the urgency of dairy farmers blocking their production to raise milk prices.

"Dairy industry economists are already predicting raw milk prices as low as $10.25 by spring. And the price of cheese is down 10-cents/lb from October. Remember, every one-cent change in the price of cheese usually equals a 10-cent change in the price of raw milk," Albers said.

"NFO is already having a positive effect on the milk market. The November M&W milk price was down only 2-cents from October, while cheese dropped a dime. If cheese was the only determining factor, the M&W average price should have been $1 lower. But thanks to NFO's competitive collective bargaining influence in the marketplace, the price stayed almost level.

"This is the message 'Operation Dairy Storm' will be sending to the dairy industry. As long as farmers maintain supplies in relative balance with demand, NFO has every reason to believe it can maintain the current price and build on up to profitable levels — providing it's milk bargaining block volume continues to grow," Albers said.

To enlist in the fight against low milk prices, dairymen can contact their local NFO dairy representatives or call 1-800-247-2197.

Corn Conference Explores Profitability

CARLISLE (Cumberland Co.) — A wide range of topics designed to help growers enhance and maintain profitability will be addressed at the 1992 Pennsylvania Corn Conference, March 3 at the Embers Convention Center.

"The conference offers corn growers a chance to get cutting-edge information that can help improve their bottom line," says Don Overdorff, Wayne Co. extension agent. "Top-notch experts and producers will speak on marketing, farm management, crop management and what might be in store weatherwise in 1992."

The conference's keynote address will be delivered by noted climatologist Dr. Louis Thompson, retired professor of agronomy and associate dean of agriculture at Iowa State University. Thompson's address is titled "Weather Cycles: What Do They Show for 1992?"

Another presentation, on grain marketing conditions and opportunities, will be given by John Sutton of Lovatt and Company.

A series of breakout sessions also will be offered. Dr. Michael Boehlje, University of Minnesota professor of agricultural and applied economics, will discuss critical farm management principles for the 1990s; Lynn Hoffman, senior research associate in Penn State's agronomy department, will lead a panel discussion on developing a high-yield strategy; and representatives of three major seed companies will talk about hybrid selection.

Other break-out sessions, featuring Penn State faculty members, will focus on nutrient management plans, managing corn rootworms and managing perennial weeds.

More than 25 commercial exhibitors are expected to display products and services at the conference.

The conference is sponsored by Penn State Cooperative Extension and the Pennsylvania Master Corn Growers Association. A registration fee of $8 covers the cost of lunch. To register, or for more information, contact Don Overdorff, Wayne County office of Penn State Cooperative Extension, at (717) 253-5970, ext. 239.

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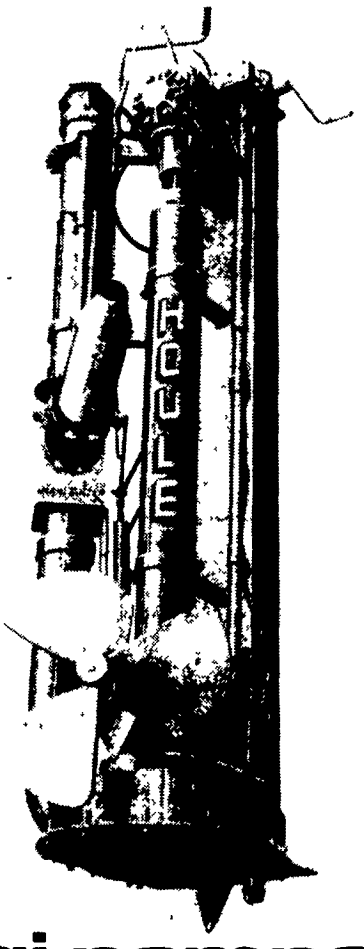

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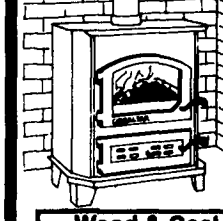

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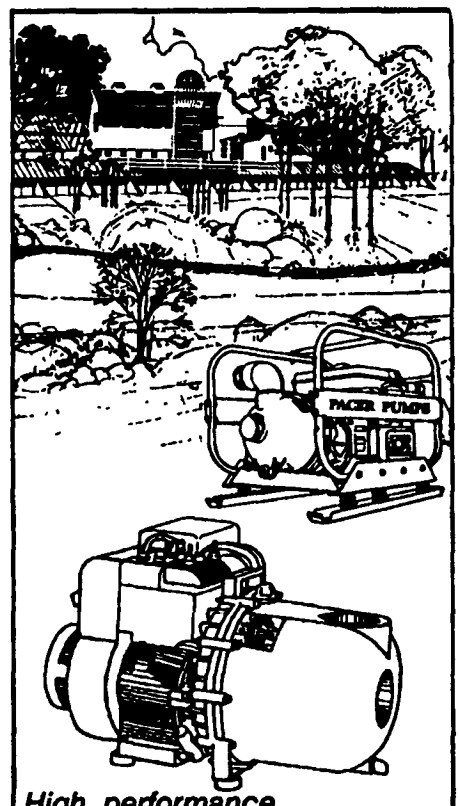

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Dairymen Need Self-help Program

STRONGSVILLE, Ohio — Finding available solutions for the low price of milk will probably not come from a Congress fighting the national debt, but might come from the unity of dairy producers, said Gordon Riehl, general manager of Milk Marketing Inc. (MMI), at the annual delegate meeting in Columbus, Ohio.

"The best answer right now might be self-help programs whereby all dairy producers work together for their own benefit," Riehl said in his last presentation before the MMI delegates. He has announced his retirement for June 30, 1992.

"After the events of the last five or six weeks (the failure to pass an acceptable legislative solution to fight low dairy prices), I believe we'll have to do it on our own," he said.

"We must find self-help answers, and that will take cooperation. Our problems won't go away and I don't think we're going to get them resolved in Congress right now."

Because national government is now concerned with lowering the national debt, any program that needs federal support is under tough scrutiny, Riehl told the delegates. He said that current solutions could come from producers working together to foster their own cause at the national level.

In Our Market

Price equalization in the MMI territory is the issue, said Riehl, and the time for action is now. MMI is working with pricing equalization agencies, such as Regional Cooperative Marketing Association (RCMA), the Producers Equalization Agency (PEA), and Southeast Dairy Farmers Federation to get more money to producers.

MMI is also asking state authorities in Ohio and Pennsylvania to issue adequate over order premiums while equalizing costs to processors and returns to producers.

One Last Lesson

In what he called his last marketing lesson to the delegates, Riehl reinforced his theme: "MMI sells your milk. It doesn't buy it!"

"It's very important to understand this," said Riehl, promising to make this his swan song for the next six months.

"MMI sells your milk and because of that your association wants fewer competitors, many buyers, the highest possible price for your product and a short supply," he said.

He contrasted this with his description of a milk buyer. Riehl said milk buyers want many sellers, few buyers, the lowest prices and a long supply.

According to Riehl, members need to understand the difference between these two points of view. Since MMI sells its members' milk, it has reduced the number of sellers in the market by 6,500.

In other words, Riehl said that since the 6,500 members of MMI are represented as one seller, they as members are no longer in direct competition with each other, but with others.

He also said that buyers of MMI milk are MMI customers, they are not MMI competitors.

"Your competitors are your nonmember neighbors," Riehl said.

From The President

In other business, MMI President Herman Brubaker updated delegates on dairy happenings nationally and within MMI.

"From the legislative viewpoint, this has been a very wicked year for the dairy industry," said Brubaker. "For the past 10 years or so, the (White House) administration has advocated less federal involvement in the agricultural policy arena. Efforts to reduce the federal budget deficit continue to pressure Congress into deeper cuts in federal farm programs. In addition, an ever shrinking group of farm-state lawmakers and an increasingly urban vote makes passing sound farm policy more and more difficult."

MMI is a 6,500 member dairy farmer owned cooperative encompassing an eight state Midwestern area including Ohio, Indiana, Pennsylvania, Michigan, New York, Kentucky, Maryland and West Virginia. Last year MMI marketed more than 3.9 billion pounds or 453.22 million gallons of milk.

Dairy Breeding Workshop Set

STATE COLLEGE (Centre Co.) — A traveling 2-day dairy breeding workshop is scheduled to be put on late January and early February by the southwest regional offices of the Pennsylvania State University Extension Service.

The program is to be held in three different locations so dairy cattle enthusiasts from a seven-county region can attend.

For those in Armstrong and Indiana counties, the workshop is to be held Jan. 28 and Feb. 4 at Sandy Kaye's Restaurant, located alng Rt. 422, in Shelocta.

For residents of Green, Fayette, Washington and Westmoreland counties, the workshop is to be held Jan. 29 and Feb. 5, at Rostraver Grange Hall, located at the junction of I70 and Rt. 51.

In Somerset County, the workshop is set for Jan. 30 and Feb. 6 in the Somerset County Vo-Tech School, in Somerset.

The workshop program is to be identical at all three locations.

On the first day of the workshop, registration is from 9:30 a.m. — 10 a.m. along with coffee and donuts, followed by an hour-long presentation on basic genetic principles.

At 11 a.m., a presentation on progeny testing programs with a look at balancing the use of young sires with proven sires is set.

Lunch is at 11:45 a.m.

At 12:45 p.m., an explanation of the sire summary information, specifically looking at what the numbers mean, is to be given.

Following at 1:30 p.m., instructors are to talk about breeding goals, such as whether to breed for milk, fat, protein, or some other characteristic.

At 2:15 p.m., the focus will be on determining a herd's genetic inventory, looking realistically at the herd for strengths and weaknesses.

The second day of the seminar also starts with coffee and donuts 9:30 a.m. followed at 10 a.m. with a presentation on criteria for culling and selection.

At 10:45 a.m., the program continues on the theme of culling, looking at who or what actually controls the culling decisions at a farm.

After lunch, a talk on new technology in dairy cattle breeding is to be given starting at 12:45 p.m.

At 1:30 p.m., experts will discuss the use of genetic markers and how to benefit from them, followed by a half-hour question and answer session.

The course instructors are to be Dr. Larry Specht, PSU dairy breeding specialist; Dr. Gary Rogers, PSU science professor; and Larry Swartz, with Atlantic Breeders Cooperative.

The cost of the two-day program is $15 per person and the deadline for registration is Jan. 23. To register, contact a local extension dairy agent.

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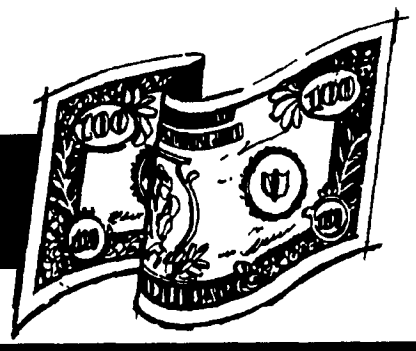

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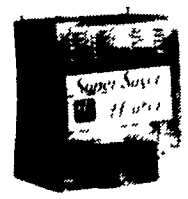

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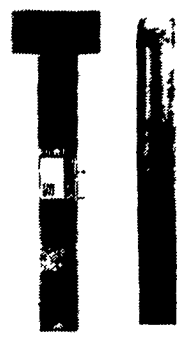

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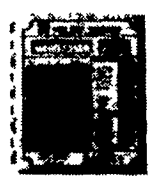

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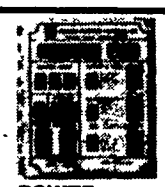

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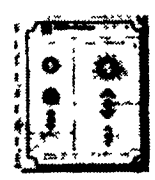

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Ebb And Flow System

(Continued from Page A1)

years ago and recently introduced into the U.S. greenhouse business, has had dramatic effect on water use and plant health. But the greatest breakthrough has been in the time- (and money) saved from watering, either by hand or by spaghetti-tube techniques in use by many greenhouses.

Under ebb and flow

Esbenshade's Greenhouse, Inc., managed by Lamar Esbenshade, maintains approximately nine acres of greenhouses for wholesale and retail markets, of which six acres are under ebb and flow. Recently, a new ebb and flow system, fully computerized, was installed at their main location along Rt. 322 north of Ephrata.

The Holland system, with curved glass, flood stanchions, and computer-controlled flow valves, was specially constructed using poured concrete. Eight-foot-wide concrete slabs were specially made to contain timed water releases. Plant varieties are immersed in the water, which flows along the top of the bench, providing necessary moisture and nutrients to sustain healthy plant growth.

"I saw the idea up in Blue Mountain Greenhouses, maybe 5 or 6 years ago," said Esbenshade. The Blue Mountain system used 3-4 foot wide tubes in 3-foot sections on 50-foot long (and expensive) plastic rolling benches.

"I like the cement idea," said Esbenshade. "It's very permanent. You don't have the rolling benches. But there's advantages to rolling benches, and there's disadvantages."

Exact specifications

Esbenshade designed and built their own forms to exact specifications. Pipes to transport the water are supported directly underneath, and, using valve control, water is released by computer at certain intervals to feed the plants.

In the beginning, Esbenshade designed and poured six-foot sections, and sloped the cement in the middle. But eight-foot sections in 100-foot lengths worked well with the new control system.

"I was looking at it purely from the standpoint of watering," he said. "Because when I started, I had to go along and water every one of these plants. And that's a lot of work."

Smaller greenhouses have the problem of different plants kept close together, which require completely different watering and feeding cycles. But with recent expansion, Esbenshade saw the opportunity to manage a huge volume of plants at less cost.

Water evenly

"Here you could put any plant in there, space it however you want, you flood the thing, water evenly," he said. "That's the way to go."

The computerized system adjusts according to time of day, plant moisture and feeding requirements, and other factors. But Esbenshade said that while the computer is helpful, the trained operator must still keep "checking on things."

He said, "We're finding that there's a tendency where things are automatic not to pay as close attention (to the plants), but it still takes close attention, even though its automatic. You can't rely totally on those things. It's just not possible."

Also, Esbenshade discovered that the ebb and flow system water does not carry disease — what many greenhouse managers have worried about in the past.

Doesn't carry disease

"That's one of my biggest concerns," he said. "But we've found that water does not carry disease nearly like thrips." Thrips are insects that attack a variety of vegetable plants and harbor the costly tomato-spotted wilt virus.

In addition, fertilizer requirements per crop, in addition to any insecticide or fungicide delivery, may be a possibility with ebb and flow.

Are the blooms better because of ebb and flow, or what? Lamar Esbenshade displays a healthy bunch of the Heggs variety of poinsettia. ***Photo by Andy Andrews.***

Esbenshade plans to expand the ebb and flow system on the floor, as well. "That's going to be our next step," he said. The concrete will be poured on the floor, rather than benches, and will be heated.

"We're looking at some outside growing areas as well, for bedding plants," he said. The system may use a shade-covered technique to keep the heat in and open up during the day. It would also aid in "hardening off" the plants — to provide them with more density, vigor, and durability.

Hardened off

"That would be great if you can get your plants hardened off," said Bruce Hellerick, Lancaster horticulture agent. Some greenhouses neglect the importance of hardening off.

A computerized system at Esbenshade's cools the plants off carefully. "Dif", temperature (a measured difference in temperature between night and day) is calculated to creative more stocking, shorter nodes, and less stretch. The plants become shorter, stockier, and bloomier.

Every two weeks, every section is tested, including the "dif" control and the ebb and flow system itself, as well as water control and nutrient injection.

For many greenhouse managers, looking at a system such like Esbenshade's is a matter of considering the budget and factoring in costs over savings. But savings in terms of labor have been substantial for Esbenshade.

$2 per foot

A recently installed 85,000 square foot greenhouse has an ebb and flow system that cost approximately $140,000, or about $2 per foot.

"It has definitely helped us to expand," said Esbenshade. "It has good payback. For me to go out and spend $4-$5 a foot, I would have to think twice about that."

Greenhouse managers considering the ebb and flow system may realize savings, depending on the size of their operation, according to Hellerick.

"For the average-sized, smaller greenhouse, it's something that they could definitely look into," said Hellerick. "Still, you have to figure out how much labor you have, what the diversity of your plant material is, and what you intend to grow, because each of those plants need different amounts of water at different times.

Extra labor

"With this size of an operation, it definitely pays off with the amount of extra labor you have to hire to do what you're doing now," he said.

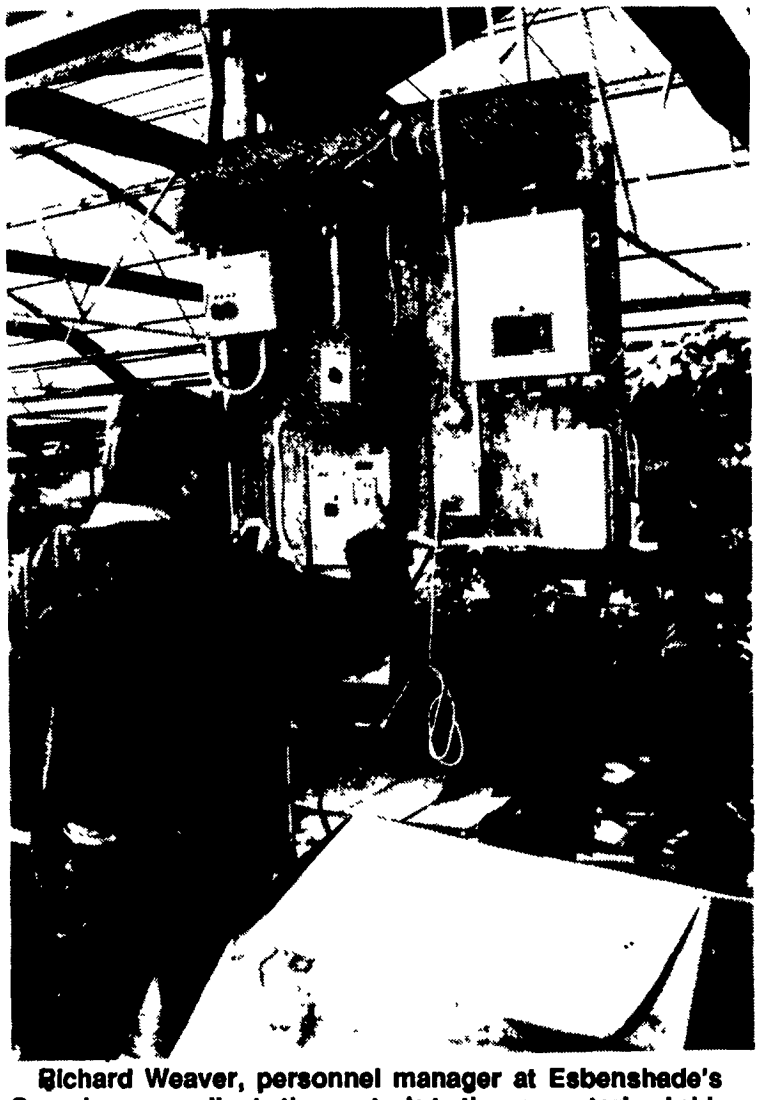
"You would have to really look at your capabilities of finance and interest and all of that. You'd have to get your pencil much sharper, I would say," said Esbenshade.

Inevitably, most greenhouses will be required, in the future, to more carefully consider the environment in managing their business. Water use issues are already pushing to the forefront, and the environmental movement is in full steam.

"You better work toward it, because environmentally, after a while, we're going to have to do it," said Esbenshade.

Esbenshade's Greenhouse has been in business since 1958, begun by Lamar on land owned by his grandfather in Churchtown. Since then, Esbenshade transferred the business to the Rt. 322 loaction, which began as a four-acre strip along the road (with a 4,000-foot greenhouse).

The business has expanded to include about nine acres, with 110 acres of total land. The wholesale and retail business, which sells to markets within a 50-mile radius, employs 40-50 during the Christmas season, and 25 full-time yearround.



Richard Weaver, personnel manager at Esbenshade's Greenhouses, adjusts the controls to the computerized ebb and flow sequencer.

Grange Notes Achievements, Sets Goals

HARRISBURG (Dauphin Co.) — The Pennsylvania State Grange has issued its list of accomplishments for 1991 and goals for 1992 with the general view that 1991 was a productive year in making things better for the state's rural residents.

1991 Accomplishments

- Passage of Act 32 which regulates egg refrigeration at all levels.
- Act 33 which creates an Agriculture and Rural Youth Organization Grant Program.
- Helped to stop the Susquehanna River Basin Commission from charging a water-user fee for agricultural purposes.
- Testified at numerous legislative and administrative hearings.
- Convinced the Pa. Milk Marketing Board (PMMB) to continue their over order premium for dairy farmers.
- The General Assembly passed HB 872, which protects the PMMB funding.
- Exempted farmers from sales tax on professional pesticide application.
- House approved HB 496, a statewide nutrient management plan which was drafted from Grange policy.
- The Senate passed SB 166, which protects roadside markets from nuisance ordinances and lawsuits.
- Secured predictable funding for agricultural research.

Goals For 1992

- Seek final passage on nutrient management legislation and roadside market legislation.
- Secure agricultural exemptions from wetlands regulations.
- Creation of a DER Agriculture Advisory Committee with statutory authority.
- Securing adequate funding for the PMMB and an adequate price for dairy farmers.
- Work with the state Game Commission to manage the state's oversized deer herd.
- Continue to obtain adequate funding for agricultural research.
- Secure funding to update the Summerdale Agriculture Laboratory.
- Push for Bottle Bill legislation.
- Seek passage of the Deep Mine Mediation Project legislation.

Southern Dairymen Hurting Too

LOUISVILLE, Ky. — In an effort to stabilize prices paid to dairy farmers for their raw milk production, as well as the prices consumers pay for processed milk and other dairy products, Southern Dairymen Inc. (SDI) has requested the U.S. Department of Agriculture (USDA) to take emergency action to amend 13 federal milk marketing orders in the Southeast and Middle Atlantic regions of the U.S. by establishing a minimum basic formula price of $11.50 per hundredweight on all raw milk sold as Class I (fluid) milk products by handlers under these orders during the 1992 calendar year.

SDI is a federation of milk marketing cooperative associations in the southeastern United States.

The request for an emergency hearing to consider flooring the basic formula price on Class I milk was submitted to the USDA Dec. 9 by SDI. Once submitted, the U.S. Secretary of Agriculture must determine if and when a hearing should be scheduled to receive testimony on the proposal to amend the 13 federal orders.

SDI has requested that an emergency hearing be scheduled at the earliest possible convenience in anticipation of a $2 per hundredweight decline early next year in raw milk prices.

Such a significant drop in raw milk prices would have a very serious impact on Southeast dairy farmers and consumers alike.

"We've witnessed the tremendous impact declining raw milk prices can have on dairy farmers in the Southeast. During this past spring, raw milk prices dropped to their lowest levels in a decade," said James W. McDowell Jr., secretary of SDI, and chief executive officer of Dairymen Inc., a regional milk marketing cooperative owned by dairy farmers in the Southeast and Middle Atlantic regions of the U.S.

"Dairy farmers have been producing raw milk with 1991 dollars, but they've been forced to sell that milk production at 1980 prices. I can't think of any other enterprise in the U.S. today that can afford to do this and remain in business very long.

"Obviously, many milk producers in the region could not afford to make ends meet either, and as a result, the low prices they received for their raw milk in 1991 fueled their continuing exodus from the business," McDowell said.

SDI estimates that one dairy farmer in the Southeast per day left the business due to depressed raw milk prices in 1991.

McDowell said that each time a dairy farmer leaves the business, an already tight raw milk supply becomes even tighter.

"With fewer and fewer dairy farmers in the region to adequately supply the growing consumer demand for milk and other dairy products, raw milk handlers must look to sources outside of the southeastern United States to satisfy their needs," McDowell said.

"This most often requires the handler to pay a premium when buying the supplemental milk from Wisconsin and the upper Midwest, in addition to the added cost of transporting the raw milk into the Southeast. This can become a very expensive proposition, and who pays the bill in the end? The consumer, of course," he said.

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1991 Filled With Changes, Extremes, Successes

(Continued from Page A1)

tinue to suffer and with no good solutions apparent.

The state budget was not resolved until more than a month after deadline. The agricultural programs and agencies were given budgets under which they could function, but then had the bulk of those promised monies taken back in an Indian-giver move by the Casey administration.

Gov. Casey called it fiscal reserves.

During the year, Gov. Casey also got the largest tax increase put through — he still has issued warnings that it might not be enough.

On the other hand, the tobacco growers of Pennsylvania, most of whom reside in Lancaster County, had been working on forming a representative organization for years. Casey's tobacco tax proposal proved to be a catalyst for getting the organization solidified and a large contingent met with state legislators for the first time.

Animal rights and anti-gun factions grew in notoriety forcing defendents of agriculture and the second amendment to take action and discuss those and other problems of working among a largely urban society.

Land prices dropped, and so did interest rates.

However, because federal bank regulators have been reclassifying a large number of bank loans as "unsecured," banks are no longer making many loans.

Teachers all across the state hit the picket line, delaying school starts and initiating legislation which would reduce their ability to walk off the job en masse, but would also force local school boards to address the issue of teacher pay from less of a politically motivated stance.

Many school districts also lost out when promised state funding was budgeted, then rescinded.

Amid some controversy, Penn State got rid of its colored breed dairy cattle.

More agricultural and rural people became unemployed. "Early retirement" became a common substitute phrase for laying-off those with senority, more job benefits and larger paychecks in order to save companies overhead costs.

On the other hand, the Soviet Union dissolved into a Commonwealth of Independent States, after a failed military coup and other historic events.

A number of new independent nations formed on the European continent holding the promise of increased trade.

But at the same time, international talks fell through during attempts to form an equitable General Agreement on Tarrifs and Trade (GATT).

To many people, more change happened int he world this past year than in any one year in their lives.

From the perspective of the Department of Agriculture, there were a number of accomplishments during the year:

• Under Pennsylvania's farmland program, the purchase of building easements on more than 11,000 acres of prime farmland was approved, and the number of counties with farmland preservation boards grew to 31.

• A pilot program to collect outdated farm chemicals was announced, in which farmers in six counties can turn in pesticides that are no longer needed, obsolete, have broken down, or have been banned. Program details are yet to be worked out.

• Construction of a Farm Show Complex addition was begun and is to be completed in 1993. The project, a $8.8 million Livestock Exhibition Hall, was first authorized in 1957, and after 34 years of delays, the ground was broken for a 84,000 square foot, two-story building.

• The Agricultural Technology Loan Program was initiated. The program provides matching loans of up to $50,000 to help farmers employ new technology during production. At an interest rate that is half the federal discount rate, farmers can borrow funds for projects that will increase productivity or provide entry into new product areas.

• The Farmers Market Nutrition Program was expanded to serve 24,000 women in 44 counties. The program, which started in 1988, allows pregnant and breastfeeding WIC participants to purchase fresh Pennsylvania fruits and vegetables through farmers' markets.

• The value of Pennsylvania agricultural exports has risen by more than $22 million since 1986. The most recent numbers show exports totaled $295.1 million for 1990, and it is expected that that has continued to grow through increased participation in overseas trade shows. The department has helped foreign buyers discover Pennsylvania products such as candy, snacks, grocery items, beverages, lumber, logs, wood products and food handling equipment.

• By the fall of 1991, 107 Pennsylvania companies had signed up to use the new Pennsylvania logo, "Quality . . . From Our Home To Yours." The copywrited logo was created by the PennFood Program to raise consumer awareness and demand for food products produced or processed by state businesses.

• The department of agriculture hired 15 additional food inspectors and conducted 10,000 new inspections. More than 34,000 inspections were conducted in 1991, compared to 23,933 in 1987.

• Three major agricultural shows got a financial break from the Farm Show Commission which exempted them from paying rental fees for use of the Farm Show Complex: Keystone International Livestock Exposition; Pennsylvania All-American Dair Show; and the Pennsylvania 4-H Horse Show. In addition, improvements to the Junior Livestock Show and Sale helped set new records for the amounts paid to young exhibitors who sell their animals on the last day of the Farm Show. Other items, such as the food court helped the success of the annual exposition.

Legislatively, significant milestones were reached in several areas, not only new programs, laws and money, according to the executive directors of the Legislature's two agricultural and rural affairs committees.

Shelia Miller, executive director of the Senate Agricultural and Rural Affairs Committee, said a piece of legislation, House Bill 872, which would create a dedicated fund for the operation of the Pennsylvania Milk Marketing Board (PMMB) is sitting on the governor's desk. He had until yesterday to sign it. His intentions were not known by presstime.

Miller, who is a staff member for Sen. Edward Helfrick, said that Lancaster County's Sen. Noah Wenger and the Senate leadership (inlcuding Helfrick who is majority chair of the committee) helped get the bill through in an attempt to get the PMMB fully funded. The PMMB is one of the casualties of the budgetary reserve program Gov. Casey implemented. They don't have the funds available to continue for long.

"We are seeing progress on several of the Ag 2000 bills," Miller said.

Ag 2000 was a package of several pieces of agricultural legislation with the overall focus of getting the state's number one business back into a strong growth mode.

As part of the package, Miller said, "We anticipate (Sen. Ed) Madigan's organic food labeling bill to pass in January and we're also to get our crop insurance bill moving. However, in that it does require an appropriation, in light of the fiscal restraints, it may be difficult to get that one through.

"The same thing holds true with the rest of our bills — the sustainable ag, the manure digester — they do carry some fiscal note attatched to them, but we feel it should go through because of its value."

On other fronts, Miller said that a seasonal farm labor bill is being looked at and attempts are being made to work out some differences in opinion.

There are some other bills also which were initiated this year and are awaiting consideration in the House.

(Miller also made note that a public hearing on the issue of nutrient management, not the bill, is tentatively being scheduled for Feb. 12.)

Steve Crawford, executive director of the House Ag and Rural Affairs Committee, gave his reflections on 1991.

"I think one of the highlights was being able to pass a law that created the rural leadership development act, which helps 4H and FFA members across the state.

"Also, the nutrient management legislation, with our ability to get that passed in the House in a fashion that is supported by both the environmental and agricultural sides is a highlight. That's like flying a jet through the eye of the needle. We have to see what happens in the Senate," Crawford said.

"The overall theme, from our standpoint, was the emergence of the Agricultural and Rural Affairs Committee and the other rural members of the General Assembly on the Democratic side as a power within the caucus, which is significant in a lot of ways, but mostly in the way it came to bear on agriculture in the budget.

"When you look at a year which was difficult with the taxes, you could argue that it may have been the best agriculture budget ever. The budget coming out of the House being fashioned largely by the House took care of every major concern agriculture had and was left pretty much intact," Crawford said.

"On the downside, I'm disappointed in the governor's decision to place a number of those budget initiatives in budgetary reserve.

"I recognize the fact that you've got to tighten your belt in tight times and that's certainly where agriculture is at. The problem I have is not so much that it was done, but the manner in which it was done.

"I doubt that the Department of Agriculture had any input into what was put into reserve and these decsions are being made by very few people and their decisions are based on a faulty premise. They're not heading in the right direction. To cut $40,000 for FFA, that's ridiculous," Crawford said.

"(Amounts of money) like that don't show. I hope (the governor's office) didn't ask anybody, because I hope nobody would have recommended those cuts take place."

But Crawford said the best thing for 1991 was the "firm establishment of the ag people in our caucus as a force to be reckoned with. And you are going to see that in every budget from now on. All the budgetary reserves in the world won't take that away."

Crawford said that the future of Pennsylvania lies within the strength of the agriculture industry, not the other way around, but that the industry and Legislature must be progressive in order to lead.

"We try to be progressive and I think we have been, and very active.

"Nutrient management is an example of a progressive piece of legislation designed to preempt a mass proliferation of local ordinances designed to get rid of certain operations.

"We have to do that in agricul-

(Turn to Page A29)

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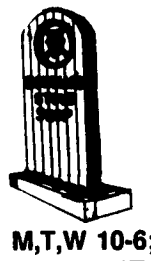
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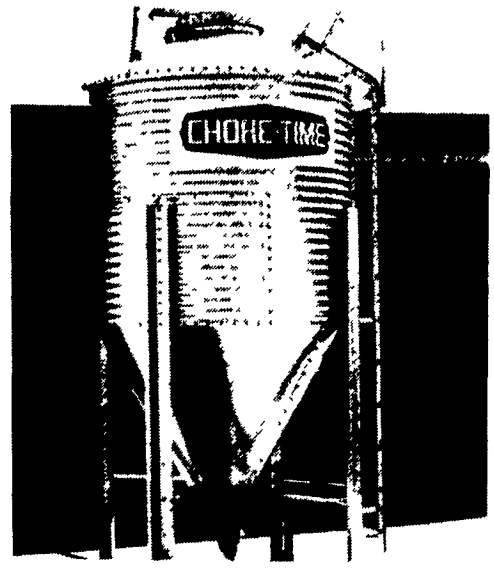

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12-28

Changes, Extremes, Successes

(Continued from Page A28)

ture. We have to look beyond our noses and we're trying to do that," Crawford said.

The future is full of hope and optimism and uncertainty, especially with world events, Crawford said.

"It's amazing what's happened to all those countries. It's been an interesting year, no doubt about it. I don't think the ramifications of global events are beyond us. But anybody who tells you exactly how is guessing, but it's going to affect agriculture somehow."

Others representing agricultural interests also reflected on the past year.

Jan Carson, spokeswoman for the Pennsylvania Farmers' Association (PFA), said, "Farmers in Pennsylvania went into 1991 with the largest quantity and the best quality feed supplies they have ever had on hand. Unfortunately, a major portion of the state suffered one of the severest droughts we have experienced in recent times.

"Most Pennsylvania farmers, through control of capital expenditures and excellent feed supplies, were able to financially manage themselves fairly well throughout the year.

"While Pennsylvania livestock farmers will surely feel long term effects of the drought, other growers, such as fruit, vegetable, nurserymen and many other commodities, are also experiencing financial losses as a result.

"For livestock producers, the real crunch from the drought will appear early in 1992 as those supplies dwindle. Again, farm families will look with optimism to the new year with hope that the good Lord will send them adequate moisture to rebuild inventories," Carson said.

"This past year presented tremendous challenges as prices sunk for many commodities, more and more groups outside of agriculture are attempting to have a greater say in what and how we do things on the farm. Each year there are fewer and fewer people who understand the complexities of running a successful farming operation.

"The farm community, more than ever, will need to speak with a unified voice on issues such as private property rights, defining wetlands, protection from unreasonable laws and regulations, and the immediate halt to the further erosion of funds needed for agricultural programs and research," she said.

"We at Pennsylvania Farmers' Association look to 1992 with optimism and a commitment to continue to work for the betterment of all farmers."

The Holstein Association also finished the year with a number of accomplishments, according to Ken Raney, director of membership service.

"We had our first state picnic in July with over 450 Holstein members attending. That was a very successful first year event for us. It was held at Evergreen Farms in Huntingdon County," Raney said.

"Our sale program for the year saw over 1,000 head be moved by the Pennsylvania Holstein Association," Raney said, referring to the organization's exporting and sales programs.

"We shipped to Columbia and we hadn't worked with them for a number of years. We worked with Columbia, Japan and Egypt. Egypt has given us big orders the last couple of years," he said.

The organization had a successful cheese sale to raise funds, with 20 tons of cheese sold by 22 local clubs across the state. There was also significant participation in the association's junior program with more than 1,900 juniors participating in 28 different programs.

"Despite the dairy economy, we felt we had a very successful year in terms of membership participation and people supporting programs of the association."

Raney is also secretary for the Pennsylvania Purebred Dairy Cattle Association, and he said that group also experienced continued successes.

Select Right Hybrids For Minimum, No Tillage

DEKALB, Ill. — As more corn growers switch to no-till or minimum tillage farming, proper management becomes a key to higher yields and profit. Selecting the right hybrids for the particular type of tillage is an important ingredient to success, says Herb Brown, regional agronomist for DEKALB Plant Genetics.

In no-till, soils usually are cool and wet. "That requires hybrids that are vigorous on emergence and have good early seedling growth," he said. "If you're planting corn on corn, you also need hybrids with good disease resistance."

Brown says hybrids with good stalk quality also are important in corn-on-corn situations because stalk rots are more common.

Farmers who plant on ridges need corn hybrids with strong roots since cultivation may cause some damage. Good foliar disease resistance is important, too, the DEKALB agronomist said, because residue builds between the ridges and can harbor disease.

"Farmers who ridge till have a bit of an advantage because they can get in the field earlier, so they may want to consider full-season hybrids," Brown said.

Many farmers chisel plow in the fall. In this situation, the need for fast emerging hybrids is less, notes Brown, because soils warm up and dry quicker.

The DEKALB agronomist suggests farmers contact their seed dealer or company for more information about which hybrids to plant under reduced tillage situations. Recent research at Michigan State and Iowa State Universities and the University of Wisconsin, does, however, reach the same conclusion.

"In general, if the hybrid works well under conventional tillage, it will probably perform well under minimum tillage conditions," Brown said.

Examine Several Characteristics Before Choosing Seed

DEKALB, Ill. — Soybean growers should consider several factors before deciding which variety to plant, said DEKALB Plant Genetics regional agronomist Rick Mason.

One factor is maturity. While full-season varieties tend to have the greatest yield potential, planting only those may be impractical.

"I recommend farmers spread risk by planting maturities from early to late within a given group, or from the late end of one group through the early end of the next group," he said.

Remember, too, no one variety performs well under all conditions. Growers with significant soybean acreage should include at least three high performance, high profit varieties in their planting plans.

"Put your confidence in those that have demonstrated good performance over a wide range of environmental conditions for two or more years," Mason said.

Yield is the factor that most determines profit. Examine summaries of university research and on-farm comparisons, including your own, to get reasonably accurate estimates of a variety's yielding ability. Don't settle for one-year results.

"Look for consistency from year to year and location to location," Mason said.

Standability and shattering are other important factors. Plants which lodge during flowering or pod fill produce fewer bushels. Pods that pop open at maturity and allow beans to drop to the ground create yield loss that cannot be recovered.

On some farms, planting varieties with disease resistance or tolerance may be important. "If you have serious nematode problems, plant varieties with specific resistance or field tolerance," the DEKALB agronomist said.

But don't overemphasize pest problems you don't have or that are economically insignificant in your area. With nematode, premature exposure or resistance only hastens development of SCN races able to oversome varietal resistance, Mason said.

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Selenium Is Needed For Health

GEORGE F.W. HAENLEIN
Extension Dairy Specialist
University of Delaware

NEWARK, Del. — Are you being served well with Selenium?

Selenium is a micro-element in soil, which occurs in varying forms and amounts. Desert soils contain too much for the needs of healthy plants and animals. Increases in rainfall produce soil with selenium deficiencies for plants and animals, although water itself is a poor source of selenium.

Surveys of the United States have shown that the coastal regions of Georgia, the Carolinas, Virginia, all of Florida, all of New England, New York, Pennsylvania, New Jersey, Delaware, Maryland, West Virginia, Ohio, Indiana, Illinois, Michigan, Wisconsin, Washington State and Oregon are principal areas of selenium-deficient soils.

Human needs of selenium are supplied mainly from plant foods and, to some extent, seafood and certain meat sources. Though there is some industrial use of selenium, a major use is in the prevention of selenium deficiency in livestock and poultry.

Deficiency symptoms in farm animals (and even primates) include cataracts, underdevelopment of blood and lymph systems, loss of hair, weight loss and weakness, lack of growth, liver failure, skin disorders, reproductive failures (usually in female, but also abnormal functioning in semen).

In chickens the deficiency also results in reduced egg production, less hatchability and degeneration of the pancreas.

It is clear that selenium is an element essential for normal health and functioning of farm animals, but it is also indispensable for human nutrition. This was documented in 1976 when it was linked to possible roles in aging, anticarcinogenic properties and blood clotting.

Crops will be low in selenium when produced in areas in which the soils have low-selenium contents. People living mainly on such crops are at risk for low selenium intake.

Research with selenium supplementation to malnourished children resulted in significant weight gains. Within the U.S., lower levels of selenium have been found in breast milk from mothers living in areas with low-selenium crops than in other areas with adequate crop contents of selenium.

Breast-milk-fed babies had higher serum selenium contents than those on formula or cow's milk, probably because of the lower contents in these foods. Vitamin E and selenium should be considered together, because the supplementation of the one usually helps with deficiencies of the other.

In cattle, including calves, major defects from selenium deficiencies are degeneration of muscle and heart, stiffness, laying-down, death, mortality of newborn calves, retained placenta, impaired immune function, slow recovery from uterine and mammary infections, and increased susceptibility to mastitis.

Research has shown that selenium supplementation together with vitamin E can prevent mastitis, because of their essential role in the mobilization of leucocytes against pathogenic invasions.

In several studies, supplemented heifers had significantly fewer mastitis infections at calving, during lactation, with shorter duration of the infection and with lower somatic cell counts than unsupplemented control heifers.

Cows fed supplementary selenium at 6 milligrams per day had more rapid recovery from dreaded E. coli infections.

Recommendations, therefore, have been made for dry cows to receive 3 milligrams selenium plus 1,000 units of supplementary vitamin E per day.

For milking cows, use 6 milligrams selenium plus 300-500 units vitamin E per day.

Forages will generally not be good sources of vitamin E because of storage losses. They will also be poor sources of selenium in the northeastern and mid-Atlantic regions of the U.S., and in those states listed above.

In addition, only about 40 percent or less of fed selenium is actually absorbed by cattle, because of the interfering influence of some digestive factors and ingredients, especially calcium and a few other minerals.

Supplementation with trace-mineralized salt blocks or mineral self-feeders, on with long-release rumen boluses, fortified concentrate rations, or intramuscular injections is necessary.

Injections are usually of short-lasting benefit. Therefore one popular practice in recent years has become the routine fortification of concentrate rations at a rate of .14 milligram per pound (.30 parts per million), which is equivalent to normal daily needs of cattle with average concentrate intake.

The Food and Drug Administration currently has this the legal limit, although it is recognized that selenium is also toxic when taken in excess.

The range between safe minimum and maximum contents of other essential micro-elements in feeding ration dry matter is in many cases at least tenfold; for example, for iron, manganese, copper, zinc, iodine. In the case of selenium, it is fiftyfold — between .045 milligram and 2.27 milligrams per pound.

Some years ago, the Food and Drug Administration recognized the legal supplementation limit of concentrate rations at the rate of .045 milligram per pound, because of the widespread selenium deficiency in U.S. soils and the demonstrated benefits in reproduction and mammary health of dairy cattle. But this limit was eventually raised to the present 0.14 milligram per pound level for greater benefits.

On the other hand, the Food and Drug Administration is currently reviewing these selenium levels in response to environmental objections.

It is possible that the present limit in concentrate feeds of .14 milligram per pound will be revoked early next year. Dairy farmers need to be aware of this possibility and the impact it may have on their cattle's health, productivity, reproductive efficiency, udder health and, ultimately, the wholesomeness of the milk produced for consumers.

It is not that the voiced objections are ludicrous. To the contrary, the subject of selenium is a relative young (about 25 years old) addition to our knowledge of animal and human nutrition. More research is needed for a better understanding of how selenium functions in the human body and in what amounts.

Not even routine analyses are available when farmers send farm-grown feeds for nutrient testing before formulating a suitable cattle ration. For this reason, it is not known precisely what cattle actually eat in terms of selenium, though we know how much protein or fiber or energy.

Nor is it known how much is routinely excreted in milk, though we know very well how much fat, protein, lactose, total minerals, or calcium or phosphorus is in milk.

We only know that we are supplementing with a certain, presumably safe amount, based on average intake data. But what about those cows that instead of getting the average, get high amounts of concentrate? Are we wasting selenium supplementation here? Are we getting into unsafe ranges? Research has shown that selenium contents in cattle hair, milk, plasma and muscle are significantly higher compared to contents in deficient animals.

Are we served well with selenium? This is a renewed concern

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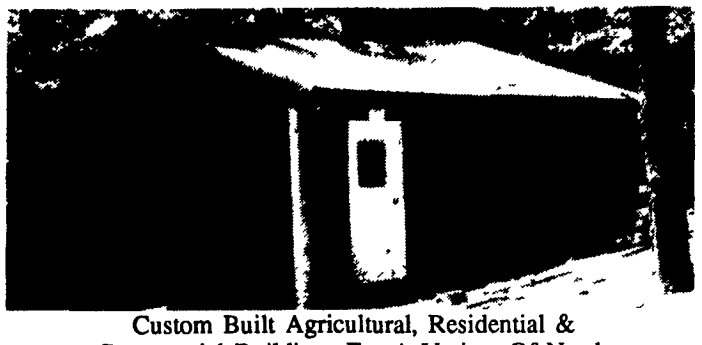
By Sam Stoltzfus



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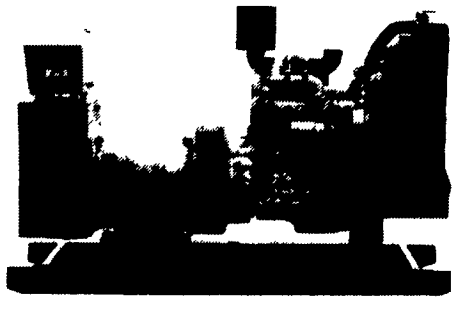

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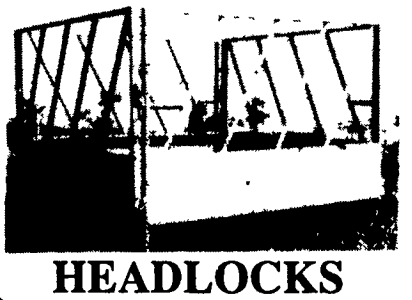

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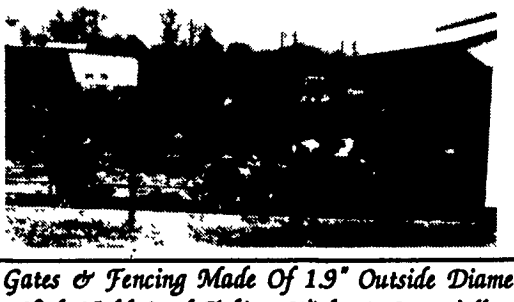

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Cow Fertility Research Has Far-Reaching Implications

UNIVERSITY PARK, (Centre Co.) — Penn State researchers studying the fertility of cattle have isolated a protein secreted by the oviduct that could help correct problems of infertility in humans, as well as in cows.

Dr. Gary Killian, professor of reproductive physiology in the Department of Dairy and Animal Science, says the fluid found in the oviduct — the tube that serves as the passageway for eggs and the site of fertilization — contains a protein that binds to sperm, preparing them for the fertilization process. Durin in-vitro experiments, sperm swam straighter, seemed more directed and remained alive longer when placed in a culture with this protein.

"This unique protein is secreted during the estrus cycle when the female is sexually receptive, usually near the time of ovulation. If we confirm preliminary findings that this protein actually regulates the motility and capacitation of sperm, it could hold positive results for the dairy industry and human health," Killian said.

"The oviduct environment is extremely important and we need to know more about it. Something is happening in the oviduct environment that is crucial to successful fertilization and embryo development."

The estrus-associated protein was isolated by doctoral student Robin King and is only one of several proteins, ions and lipids that comprise oviduct fluid. This particular protein also binds to the surface of eggs, but Penn State researchers are not yet sure of its full role in the fertilization process.

The animal scientist says the possibility exists for including this estrus-associated protein in semen used in artificial insemination for both animals and humans. The inclusion of this protein means the sperm would not have to depend on the fluid from the oviduct and its presence could boost the chances of sperm fertilizing an egg. In addition, the identification of this protein could lead to the creation of an antibody that would act as a contraceptive, preventing the protein from aiding sperm.

"The discovery of this estrus-associated protein could be particularly useful for the dairy industry because in order to produce milk, cows need to reproduce. Poor reproduction in a herd of dairy cows causes a decline in milk production and the result is a loss of money in an industry that is already hard hit," said Killian.

"Anything that will increase the success of reproduction is worth investigating. This particular protein could be used to bind to embryo grown in vitro that will be implanted in surrogate cows, producing a herd with a greater capacity to give milk," he said.

Killian's work is part of a three-year grant from the U.S. Department of Agriculture. In the past, fertility research in the cattle industry has had a significant impact on human health, particularly in the area of artificial insemination, sperm and embryo cryopreservation, and infertility.

Although the protein has been isolated, he and his colleagues are now in the process of studying how the protein may modify the motility or other functions of the sperm. He is also investigating the composition of oviduct fluid from various sites in the oviduct.

"We are collecting oviduct fluid from cows through two catheters inserted in the oviduct that exit at the flank of the animal," Killian said. "One catheter is placed near the ovaries where fertilization occurs and the other is in the area closest to the uterus, which is a storage area for sperm."

The Penn State researcher says the fluids from both sites will be compared and analyzed to determine differences in composition and function.

Selenium

(Continued from Page A30)

for dairy farmers, one that will affect their pocketbooks one way or the other.

What is the evidence for environmental objections? Are we served well with the current allowed supplementation levels, or are we going to suffer new losses in reproductive efficiency, udder health and in milk quality by the reduced levels of supplementation?

The prospect of this possible change has many dairy farmers upset and even scared. It will pay dairy farmers to renew their attention to this issue.

Roadside Markets Under Study At Conference

NEWARK, Del. — The 1992 10th annual Mid-Atlantic Direct Marketing Conference (MADMC) and Trade Show will be held at the Radisson Hotel in Wilmington, Del. on February 20-22, 1992.

This year's program, "Direct Markets in Transition," will use nearly 30 regional and nationally known speakers and session participants.

An added program feature this year is the mini-workshop sessions being offered concurrently with the roundtable discussions.

The program consists of three general sessions (direct markets in transition, growing with the nineties, and feature stories), nine concurrent sessions, five roundtable discussions, and four mini-workshops. The concurrent sessions are labeled A to I in the program. The roundtables are scheduled on Wednesday.

MADMC '92 will also include an elaborate trade show with 50 to 60 exhibitors, a banquet, entertainment, and meeting of old and making of new friends.

Extension Offers Frame Builders Conference

LEBANON (Lancaster Co.) — The 1992 Pennsylvania Frame Builders Conference will be held here on Tuesday and Wednesday, February 11-12, 1992.

The conference will provide up-to-date information on efficient, economical, and safe building methods for farm and small and medium size frame buildings. Information presented will be of interest to builders, designers, suppliers, regulators, and educators.

Builders will explore and gain expertise in areas such as utilization of native hardwoods, methods for retrofitting modern systems and materials into existing buildings, and current rules and regulations. Wednesday, Feb. 12, is Crew Day. During Crew Day, participants will learn proper and safe methods for handling building components such as trusses and metal panels. Safe and efficient use of scaffolds and methods for installing roofing will also be covered.

Many builders and suppliers have been sent information on this conference by The Agricultural and Biological Engineering Department at Penn State. If you haven't received information on this conference, you can obtain information and registration materials from your local cooperative extension office.

Public Auction Register

Closing Date Monday 5:00 P.M.
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4-H Tractor Safety Club Gears Up For 1992

LEBANON (Lebanon Co.)— The Lebanon County 4-H Tractor Safety Club is once again gearing up for this years program.

Ken Winebark, Lebanon County Agent states that this year's program will start Tuesday, January 7 at 7:30 p.m. at the Lebanon Valley Agricultural Center on the corner of Cornwall and Evergreen Rd., Lebanon. Anyone interested is invited to attend. The 4-H Tractor program gives youth an opportunity to "learn by doing."

The course which would be particularly beneficial to youth operating lawn and garden tractors as well as farm implements, will meet on consecutive Monday or Tuesday nights from 7:30 - 8:30 p.m. starting January 20, 1992. At the meeting you will learn that better, and safe, tractor care results in longer tractor life, more power, and lower operating costs. Because you learn how to do many small but important tractor maintenance jobs, you will get better production from farm units and you will cut down on costly breakdowns. Older members will learn machinery maintenance and repair.

While you are learning how to care for your tractor, you should also learn how to be a safe operator. Another important goal of this program is to help you form good safety habits so you can think and act safely - at all times.

Equally important with learning tractor care and safety is the 4-H goal of helping you to become a sound-thinking citizen. The training you receive in your 4-H program will be very beneficial to you throughout your lifetime.

Maybe you or someone you know is interested in working on a farm this summer. If so, it's important that you become a certified tractor operator. One segment of the 4-H Tractor Program, the Occupational Hazard Course, offers 13 - 15 year olds the required training to be certified farm machinery operators. This is the only time this course and examination will be offered, so tell your friends and neighbors.

Club Leaders for 1991 are Introductory Unit - Dean Nolt, Advanced Unit - Dave Wenger, and Occupational Hazard (Certified Tractor Operator Course) - Ivan Hanson. All of these leaders are well qualified mechanics.

If you have any questions contact Ken Winebark at 270-4391. The 4-H educational youth program is a Penn State Cooperative Extension program and is open to all youth ages 8-19 regardless of race, religion, sex, national origin, handicap or place of residence.

State Dairymen's Association To Hold Banquet

The annual meeting and banquet of the Pennsylvania Dairymen's Association will be held on Tuesday evening, January 14, 1992 at the Harrisburg Sheraton - East. A milk punch reception will begin at 6:00 P.M. with dinner to follow at 6:30 P.M.

Dr. Stan Curtis, Department Head Dairy and Animal Science, Penn State University will address the annual meeting. He will speak on the very important issue of the 90's, Animal Welfare.

Several traditional highlights of the evening will be the presentation of the Charles E. Cowan Award and the Extension Service Award. These two awards are presented annually to two individuals who have made worthy contributions to the dairy industry.

Tickets are available for the banquet at the cost of $14.00. Reservations may be made by contacting Sue Beshore, Pennsylvania Dairymen's Association - 396 Old York Road, New Cumberland, Pa. 17070. Tickets may also be ordered by phone by contacting the Dairymen's office at (717) 938-4876. Deadline for ordering tickets is Monday, January 6, 1992.

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* The ration includes Harvestore-processed forage from two Harvestore structures, as well as Harvestore-processed high moisture corn.

Hoopes, Jean, Bill & Dean Yarnall

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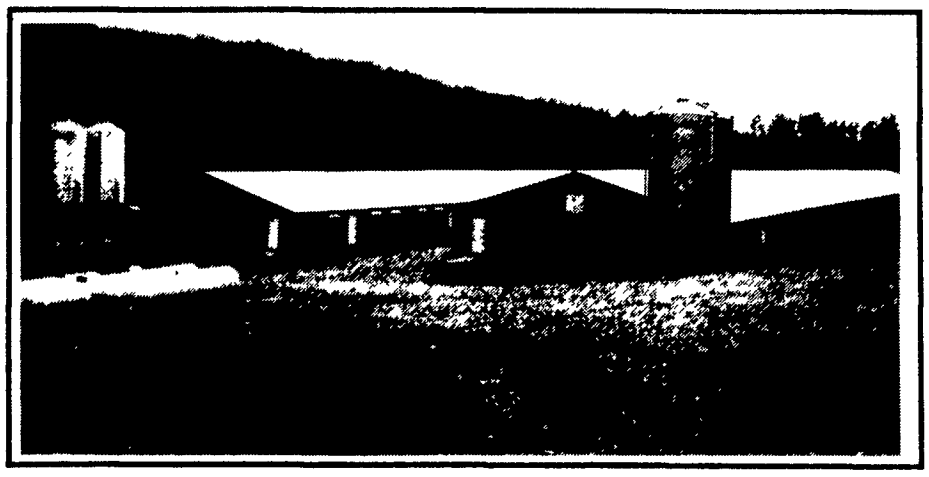

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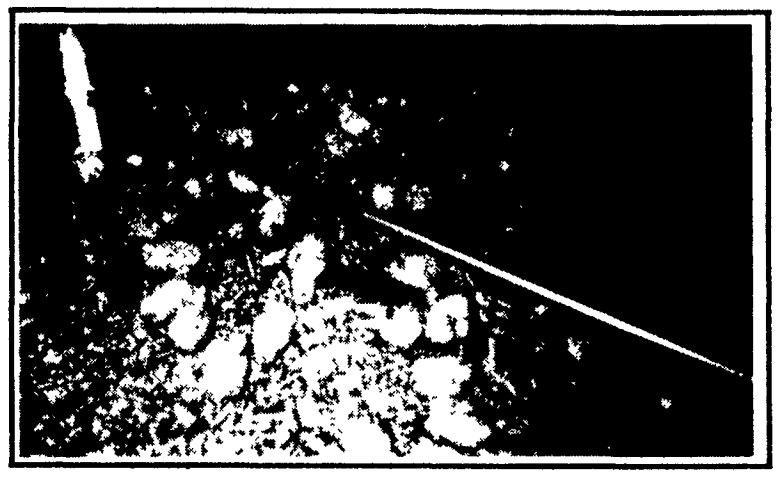

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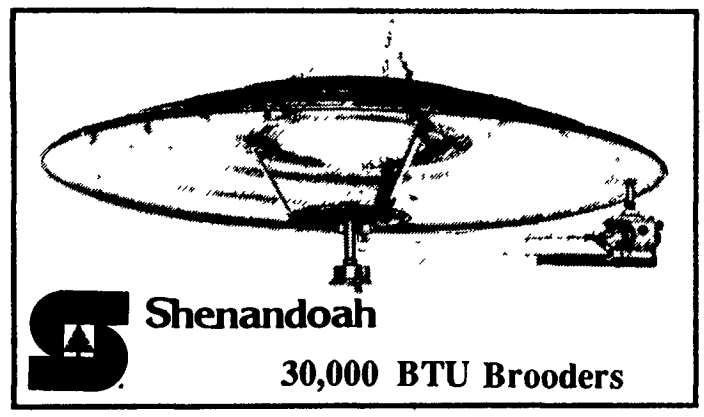

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Mifflin County Residents Share Hopes For 1992

GAIL STROCK
Mifflin Co. Correspondent

BELLEVILLE (Mifflin Co.)—People often see the beginning of a new year as a chance to start over again, a chance to begin again with renewed hope. While some resolutions are forgotten as fast as they are made, there still remains in most of us, hope for a better year to come.

With 1992 only a few days away, some Mifflin countians take time to reflect on their hopes for the coming year.

Wally Yoder, part owner of the Belleville Flour Mill, has a wife, Susie and two children, Adam and Jamie. He said, "One thing I would hope to see would be a stronger economy. One contributing factor to this, being from a dominant dairy farming area, would be for our dairy farmers to receive higher prices for their milk. Low milk prices, along with severe drought conditions, really hurt the farmers this past year. So higher milk prices and better growing season weather would really help all the farmers.

"I would also hope our government officials could put aside their differences and work together to try to solve the serious problems facing our nation."

Mark Ellinger
Farmer - 100-cow dairy with 300 acres

Gid Peachey, Belleville Agway mill operator, has a wife, Annette, and two children, Amber and Vince. He said, "The biggest thing is for the economy to get better. I would hope for better milk prices for the farmers which in turn affects our mill. I think President Bush needs to start looking at what is happening in this country and not so much overseas. I think we need to look more at the small farmer than the big 1,000-cow herds. It is the smaller farmers that keep our mill operating. I would like to see the little guy get what he deserves."

Tom McFarland of Ford New Holland, Belleville plant, has a wife, Viv, and two children, Jim and Jason. He said, "As I begin 1992, my hopes for the new year are probably like many others. Naturally, I hope for continued peace in the world, and with that peace, I hope for an upswing in economic conditions. Being an employee of a farm equipment manufacturer, I can sympathize with the farmers, since our industry has a tendency to come out of a recession later than most. Another hope I have is for rain. Our area has been in drought conditions for most of this year and a simple thing like rain would make a lot of people pretty happy around here.

"My biggest hopes and prayers are for my family. As the year goes by, I just pray for my family to get closer to each other, and closer to God."

Mark Ellinger, a farmer with a 100-cow dairy and 300 acres, said, "I would like to see an improved economy for our country in 1992. I would like to see the farm economy stimulated by means of incentives, tax reductions and other innovative ideas, not government handouts. An improved farm economy would stimulate the entire country, since 20 percent of the jobs in this country are agriculture related and agriculture accounts for a substantial portion of the steel used in this country. To further help the economy, I would like to see all federal employees, including President Bush, making over $30,000 take a 10 percent cut in pay with the savings put toward the national debt. I would like to see Congress abide by the same laws it passes for everyone else.

"I would like to see a broad-based public relations program educating the consuming public about agriculture.

"Changing gears a bit, I would like to see this country return to the fundamentals which made us a power in the first place. I would like to see a return of the work ethic, of respect for others, of faith in God — just look at church attendance during the Gulf War.

"I would like to see less criticism of other people and our country. I hope for the return of unity, pride, and brotherhood, which have richly served us in the past, but are rarely seen now."

Erin Goss

Marlin Yoder, a farmer who is married and has three children, said, "I would like to see better milk prices and to have a better year weather-wise with more rain. We are thankful for what rain we did get this year."

One is never too young to reflect

(Turn to Page B4)

Gid Peachey — Belleville Agway mill operator

Marlin Yoder
Farmer

Tom McFarland — Ford New Holland, Belleville plant

Wally Yoder
Part owner of the Belleville Flour Mill

Diane Kauffman

Homestead Notes

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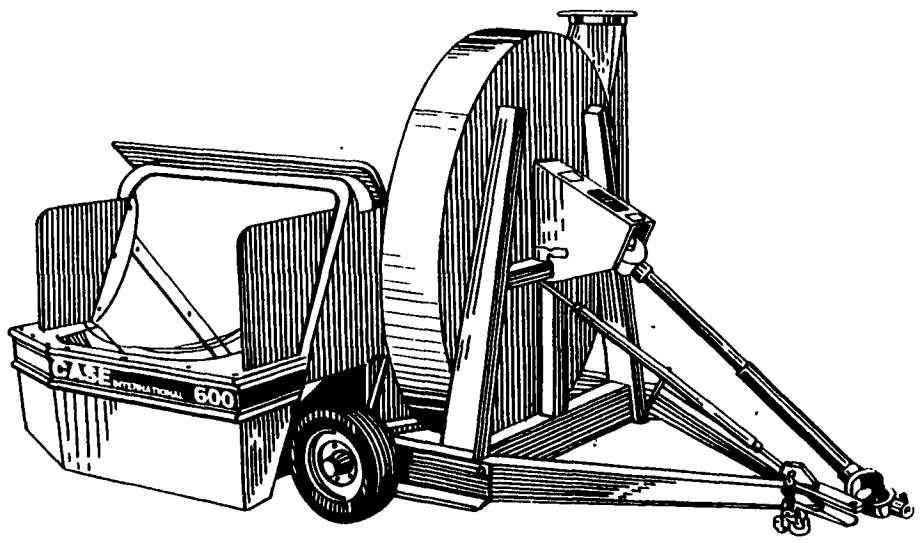

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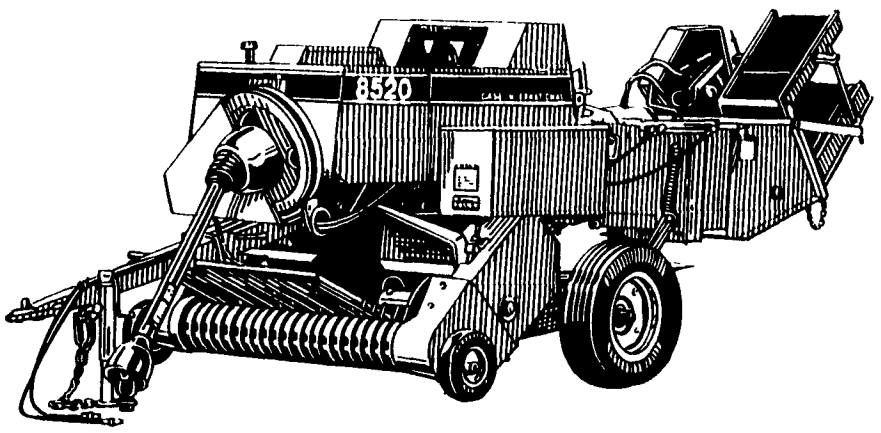

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TAKING TIME

by Rebecca Escott

Extension Home Economist

Books and Reading-Gifts That Last

Now that the holiday rush is winding down, I encourage you to take a few minutes to lose yourself in a great book. And after you've treated yourself to some quiet time with a good story, reach out to the children (or grown-ups) around you.

Winter is a great time to explore the world of books with your family. I have many fond memories of my parents reading books to me during the holidays.

Reading together is an important family activity even for families with infants! Children benefit in many ways. They develop increased vocabularies and language skills. They have an opportunity to hear about new ideas and ways to handle feelings and problems. And most importantly, because reading should include physical closeness between the reader and listener, children gain a feeling of security and "specialness".

Adults can also learn when they allow themselves to really enter into a children's story.

To make the most of reading time with others, preview the book before sharing it, so you get the sense of characters and how to pace the story. Try to read in a room where there are few noises or other distractions (like a playful pet). The reader should try to change the pitch of her voice when speaking for different characters. Be sure to look at the children frequently, and make sure people can see the pictures if there are any.

If you haven't explored the children's book series that includes Good Dog Carl by Alexandra Day, I invite you to do so in the next week. This series, although the words are few, holds magical messages for the "readers", and the pictures encourage a child to use her imagination.

Some other books you may want to check out are:

Where Does the Brown Bear Go? by Nicki Weiss — a good-night book for ages 2 to 5.

Funnybones by Janet and Allan Ahlberg — a silly book about skeletons for ages 5 to 8.

One More Time by Lois Baum — a book that tells of a child whose parents are divorced. Age 3.

As I Was Going Up — And Down by Nicola Bayley — a delightful book of nonsense rhymes for children from birth on.

I Hate Kisses by Robie Harris — Age 4.

The children's librarians at our local libraries are very familiar with the best books available. Be sure to ask them for suggestions, too.

For the youngest people, remember, books should have lots of pictures and only a few words in large type. Books that are interesting sizes or shapes help to attract a child who may be used to other entertainment. Pick topics that are linked to a child's age or interests.

On a practical side, check the binding, cover, and pages. How durable are they? How rough do you expect the reader to be?

Reading a good novel is a treat. Take some time to escape the pressures of the day. Read a book, and consider building a family reading time into your normal schedule. You will be doing both yourself and your kids a big favor!

Rebecca Escott is a Home Economist with Penn State Cooperative Extension in Lehigh County.

Mifflin County Residents

(Continued from Page B2)

on the past and hope for a better year. Erin Goss, a ninth grader, is the daughter of Larry and Judy Goss of Lewistown. The family farms 200 acres on their home dairy farm plus rent an additional 500 acres. Erin helps feed the calves and milks occasionally on weekends.

She said, "I hope to continue being a Dairy Maid. I'd like to see our farm become more computerized in both milking and feeding. I know my dad worries about milk prices and water (drought)."

Diane Kauffman, a farmwife, said, "I am hoping for plenty of rain, good health and a better economy. I would like to see milk prices stabilize and farmers work together and help each other."

Beth Laughlin, who has a husband, Joe, and three children, said, "We hope for better weather conditions. I hope things start to settle down in the Soviet Union so that our country can work with them. We can work toward getting everyone fed."

One anoymous farmwife who is sponsoring a young Russian couple through the Tressler Lutheran Services, said, "Before the Russian couple came to live with us, I would have said we hope for better milk prices and for the economy to improve. But after hearing their story of living conditions in Russia, I'm thankful for what we do have.

"They have one everyday dress and one Sunday dress. They do not have running water.

"We have the couple in our home for three months, during which time we are to help them learn English and to help them find a job.

"I just feel a need to be thankful for what we do have and to remember where those blessings come from."

Breakthroughs In Food Poisoning Research

UNIVERSITY PARK, (Centre Co.) — A Penn State researcher has demonstrated important similarities between two pathogens that cause the majority of food poisoning.

"Salmonella is responsible for an estimated 40 percent of total foodborne illness and Staphylococcus aureus for 20 percent," says Dr. Karen J. Miller, assistant professor of food science in Penn State's College of Agricultural Sciences.

"Researchers recently have made tremendous progress in understanding the molecular genetics of Salmonella, a contaminant found in raw foods of animal origin," she says. "But few studies have concentrated on Staph, particularly to examine its unique ability to grow in high-salt foods like fermented sausage and low-moisture products such as military rations."

Staph is found everywhere in nature — in soil and water and on animals and humans. Any food that requires handling is susceptible to contamination, since the bacteria can be spread easily by improper handling or by coughing and sneezing.

"Cooking at proper temperatures kills Salmonella and other bacteria that cause foodborne illness," says Miller. "But with Staph, heat kills the bacteria, while the toxins causing nausea, vomiting and other discomforts remain active in cooked foods."

Miller says Staph represents a serious health concern to the general public. In 1989, an outbreak linked to consumption of canned mushrooms from the People's Republic of China affected more than 100 people, prompting multistate recalls and import restrictions on mushrooms from mainland China.

The mushrooms were packed in brine, which is high in salt. Miller's investigation of how Staph reacts in saline environments has revealed that Staph and Salmonella use similar mechanisms to tolerate salt stress.

Miller grew Staph in high-salt and low-salt environments, then examined what compounds accumulated within the cells. She confirmed previous research that Staph accumulated high concentrations of the amino acid proline. She also discovered that Staph accumulated high concentrations of an amino acid derivative known as glycerine betaine.

"Salmonella isn't as salt tolerant as Staph, but it accumulates these same two compounds when subjected to saline stress," says Miller.

Miller also demonstrated that Staph does not manufacture the two compounds, but finds them in the environment and transports them into the cell. "So far we've characterized two distinct transport systems for proline and another for glycerine betaine," she says.

"We therefore suspect that Staph requires either or both of these compounds to grow in foods of low moisture content. If this is true, the food industry may be able to develop new preservatives to limit the growth of Staph in these products."

Miller presented her research at the Food Microbiology Research Conference in Chicago, Nov. 6.

Take A Look At This

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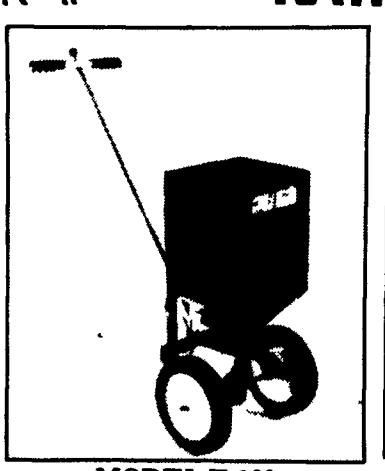

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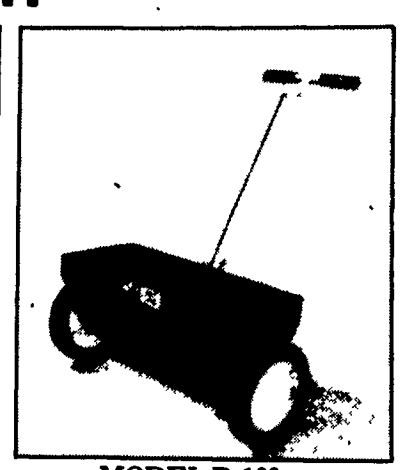

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Ida's Notebook

Ida Risser

Three more days until New Year's Eve. We all hope for good health and good friends to make the new year pleasant.

In years past our square dance group always held a party on New Year's Eve. We were quite ambitious in those days and I remember setting up long tables for 50 or more. We bought food and planned decorations. In fact, I do believe that we still have a large box of noisemakers and fancy paper hats in our attic on the farm.

With that statement I could get on another subject if I allowed myself to think of the job that lies ahead. There are many things in that attic that must be sorted and moved. What to keep and what to throw out will be the big question. Many worthless things were stored and some old pieces with value were stored too. The problem is to find a palce for everything. And, then we wonder if our children will ever want them.

They say we should start with a clean slate in the new year. But, I'm afraid that I carry a lot of baggage from years past. Not only tangible items but many good and bad memories.

The attic that I'm speaking of was half filled when we moved on the farm and my parents did not empty it. You see, they bought the property in the 1930s and former occupants had also left things there. Some furniture has plush seats and some is rustic with bark on it. Thus there is a great contrast in what is stored there. This is a job that will require weeks of work.

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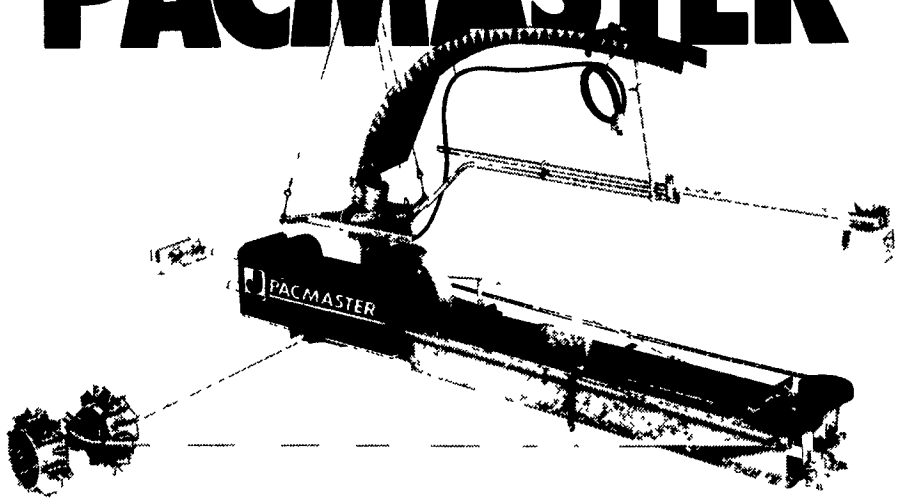

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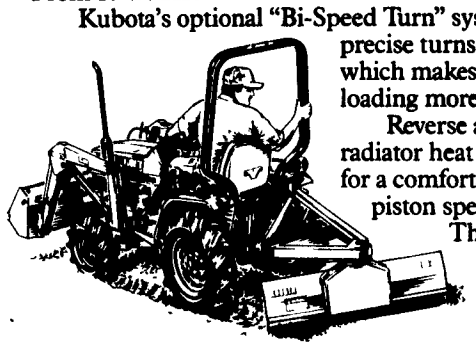

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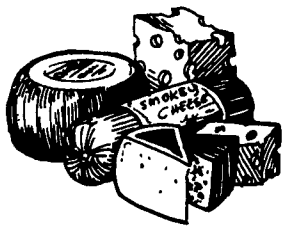
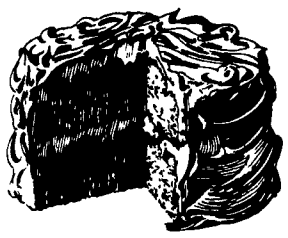


Home On The Range



What Can You Do With Leftovers?

The Christmas dinner is over. You're still savoring the aroma and the superb taste. You look at those mounds of leftovers and you turn up your nose at the thought of bland warmed up leftovers that never compete with the original dinner.

Don't despair. Try these recipes that are certain to give a brand new flavor to your leftover meals.

BARBEQUE TURKEY SANDWICH

¼ cup margarine
½ cup catsup
2 tablespoons brown sugar
1 tablespoon Worchestershire sauce
1½ teaspoons chili powder
Dash pepper
8 sandwich rolls
1 cup chopped celery
½ cup chopped onion
¼ cup chopped green pepper
1 teaspoon salt
Dash hot pepper sauce
4 cups cut up, cooked turkey

Saute vegetables in margarine until tender. Add remaining spices and simmer 5 minutes. Stir in turkey. Heat to serving temperature and place on rolls.

Jane Hurst

PARTY POTATOES

1½ quarts mashed potatoes
½ onion, chopped and sauteed
2 cans cream of mushroom soup
1 pint sour cream
1½ cups Cheddar cheese, grated
2 cups corn flakes, crushed
½ cup butter, melted.

Mix potatoes, onion, soup, sour cream, and cheese together. Place in greased baking dish. Mix 2 cups crushed corn flakes and ½ cup melted butter. Sprinkle over the top of potato mixture. Bake at 350 degrees for 45 minutes.

MASHED POTATO CASSEROLE

1½ quarts mashed potatoes
8-ounces cream cheese
16-ounces sour cream
Onions, finely chopped
1 cup Cheddar cheese, shredded

Combine potatoes, cream cheese, and sour cream. Whip with electric mixer. Pour into greased casserole. Refrigerate overnight. Bake at 350 degrees for 30 minutes. During the last 10 minutes of baking, add Cheddar cheese around outer edges.

CHEW CHANG'S CHINESE MUSTARD GREEN SOUP

2 chiles, trimmed and minced
1¼ cups fresh cilantro leaves
1 tablespoon freshly squeezed lime juice
8 cups water
¼ cup lemon grass, tied in a cheesecloth
1½ teaspoon salt
1½ pounds dark and light turkey, chopped
1 medium onion, peeled and coarsely chopped
1½ pounds Chinese broccoli, kale or mustard cabbage, coarsely chopped
Salt and freshly ground black pepper

Mince the pepper and cilantro condiment: Mince the chiles and the cilantro together until they are almost a puree. Add the lime juice and stir. Transfer the mixture to a small serving bowl and set aside.

Bring the water, lemon grass, and salt to a boil in a large stainless steel saucepan over high heat. Reduce the heat to medium, cover, and simmer for about 20 minutes.

Add the chicken to the broth, cover, and cook until it is almost opaque, about 4 minutes. Add the onion and the greens, pushing the greens down into the liquid. Cover and bring back to a boil. Cook, pushing the greens down into the liquid occasionally so they cook evenly, until they have wilted and turned bright green, 5 to 8 minutes.

When the greens are bright green, remove the lemon grass. Season the soup to taste, and serve immediately, with the pepper and cilantro condiment on the side, for spooning atop the soup. Serves 6.

Farm House Cookbook

TURKEY TETRAZZINI

8 ounces spaghetti, uncooked
4 ounces mushrooms
4 teaspoons butter
3 ounces chopped onions
½ teaspoon celery salt
½ teaspoon marjoram
1 can cream of mushroom soup
12-ounces canned milk
2 cups cooked turkey, cubed
¾ cup cheddar cheese topping
½ cup grated Parmesan cheese topping

Cook and drain spaghetti. Combine remaining ingredients and mix with meat. Spread into greased oblong pan and mis in spaghetti. Bake 30 minutes at 350 degrees. Sprinkle cheese on last few minutes of baking.

Leftovers used in casseroles may appeal to your taste buds even more than the original dish.

BANANA BREAD PUDDING

4 cups cubed day-old white bread, toasted
¼ cup butter, melted
2 large bananas, peeled, sliced
½ cup golden seedless raisins
4 cups milk
4 eggs, slightly beaten
¾ cup sugar
1½ teaspoons vanilla extract

Vanilla Sauce:

2 cups whipping cream
½ cup sugar
4 egg yolks
1 tablespoon flour
1½ teaspoons vanilla extract
Dash salt
½ cup vanilla ice cream, softened

Preheat oven to 350 degrees. Place bread cubes in buttered 2-quart baking pan. Drizzle melted butter over bread cubes. Top with sliced bananas and raisins. Combine milk, eggs, sugar and vnailla. Mix until well combined. Pour over bread mixture. Bake 50 to 55 minutes or until knife inserted near center comes out clean. Cool on wire rack.

Meanwhile, combine whipping cream and sugar in 2-quart heavy saucepan. Heat to simmering. Combine egg yolks, flour, vanilla, and salt. Remove cream mixture from heat. Stir small amount of hot cream into egg yolk mixture. Return mixture to saucepan. Heat over low heat, stirring contantly, until thickened, about 4 minutes. Stir in ice cream until melted. Strain sauce. Refrigerate about 30 minutes. Serve warm sauce spooned over warm bread pudding.

TURKEY BAR-B-QUE

4 cups diced, cooked turkey
1 cup catsup
1 cup brown sugar
2½ tablespoons mustard
1½ tablespoons Worchestershire sauce
2 teaspoons vinegar

Mix ingredients together and simmer for 2 minutes.

Karen Stoner

TURKEY CASSEROLE

2 cups leftover turkey, chopped
4 cups stuffing
3 cups turkey gravy
16-ounces sour cream

Layer stuffing and turkey in a 9x13-inch pan. Combine gravy and sour cream. Pour gravy and sour cream over stuffing and turkey. Bake at 350 degrees for 45 minutes.

(Turn to Page B8)

Recipe Topics

If you have recipes for the topics listed below, please share them with us. We welcome your recipes, but ask that you include accurate measurements, a complete list of ingredients and clear instructions with each recipe you submit. Send your recipes to Lou Ann Good, Lancaster Farming, P.O. Box 609, Ephrata, PA 17522. Recipes should reach our office one week before publishing date.

January

4- Lo-Cal Recipes
11- Mushroom Ideas
18- Soups and Stews
25- Cooking With Rice

Featured Recipe

Our featured recipe is from The Farm House Cookbook recently released. The 300 recipes were compiled by Susan Hermann Loomis who took a two-year odyssey through the farms of America. What makes this book unique is the writeup about each individual recipe and the farm from which it came.

Here is an excerpt from one.

"During the Linebach Produce Auction in Shippensburg, I talked with Mary Linebach, a cheerful, sweet-faced Mennonite woman whose hair was pulled into a tight knot and hidden under a sheer bonnet. She has a ready laugh, which undoubtedly stands her in good stead, because she works nearly full time at the auction and still cooks meals for her family of 17.

As we looked over the produce, she talked about her family's favorite dishes—the things she can practically make with her eyes closed, like apple grunt, the Amish tomato ketchup she serves with pancakes in the mornings, beef and vegetable soup, and the traditional Pennsylvania Dutch chicken and corn soup. When I asked for the recipe she looked at me in astonishment, as though it was unthinkable I didn't make it all the time myself. "It's served at every gathering around here," she said.'"

You will want to buy this cookbook at your nearest bookstore to enjoy these delightful stories and recipes.

Here is the recipe.

PENNSYLVANIA CHICKEN CORN SOUP

1 chicken, cut up
1 large onion, peeled and diced
Salt
8 black peppercorns
1 bay leaf
½ teaspoon dried thyme
¼ teaspoon saffron powder
Freshly ground black pepper
2 cups corn
2 cups homemade noodles or 6-ounces dried egg noodles

Rinse the chicken well. Place it and the onion in a large heavy soup pot. Cover with water, and add salt, peppercorns, bay leaf, and thyme. Bring to a boil over high heat. Reduce the heat to medium-low, cover, and cook until the chicken is tender and nearly cooked through, about 30 minutes. Remove the pan from the heat, and remove the chicken pieces from the broth. Allow the chicken to cool.

When the chicken is cool enough to handle, remove and discard the skin, and pull the meat from the bones. Cut the meat into bite-size pieces, and set aside.

Remove the thyme sprigs, bay leaf, and peppercorns from the chicken broth, and then bring it to a boil. Add the saffron, season generously with salt and pepper, and cook for 15 minutes. Add the reserved chicken and the corn. Bring back to a boil. Add the noodles and cook until they are just tender, 5 minutes. Season to taste, and serve immediately.

On being a farm wife - And other hazards

Joyce Bupp

An end. And a beginning.

Every 12 months, we get an end and another beginning. A new year.

We mark this annual turnover with new calendars, new promises, new hopes. New accounting pages. New date books.

In an effort to make way for the new, it was necessary - at least on my desk - to take drastic action with the old. And so I shuffled through the year's pile-up of notes and clippings of items and tidbits too interesting to ignore, but not significant enough to save any longer. Before they bite the dust at the bottom of the trashcan....

Few weeks pass that we don't get dire warnings about some worrisome material found at the infinitesimal "part per billion" level. Every wonder how much a part per billion is? Would you believe: a single kernel in 2,000 tons of corn....one penny out of $10 million....one second out of 31.7 years....one test out of all the cows that a 2,000-cow dairy milking 4-times-daily would wash in 114 years.

Phew! Imagine having to wash, prep and dip ALL THOSE teats.

And, where did the terminology for multiples of certain animal species ever come from? Like: a group of cows is a herd. Or it might be called a drove. A group of horses might be a herd - or a stable. A group of chickens or turkeys is a flock, of course, but a gathering of geese is a gaggle.

A group of goats is a trip. (If you've ever had a bunch of goats loose in your garden, it's a trip, alright.) A group of foxes is a skulk. That's what's living down in the fencerow, apparently. And a group of cats is a clowder. Huh?

Then there's the yellowing real estate clipping with the headline: "Become an independent farmer in Southern York County - Excellent Investment Property - Be Your Own Boss & Make $$$$$$$$."

If you believe that, do I have a deal for you....

Especially when compared to the next item that turned up.

That one noted that nearly half of all U.S. farmers sell less than $10,000 worth of products. Only 15 percent of the 2.1 million farms in the U.S. - or about 327,000 farms - in 1991 sold more than $100,000 worth of goods.

That's a pretty amazing number to feed and help clothe the billions of our fellow Americans and hungry folks around the globe, if you think about it.

Then there's the economics item detailing the "savings" of deregulation.

If food prices had escalated at the same rate from 1978 to 1991 as deregulated airline fares, purchased the day of travel, we would be paying: $8.84 for a pound of pot roast....$7.27 for a dozen doughnuts....$14.59 for a pound of coffee....and $7.79 for a gallon of low-fat milk.

Finally, I plan for 1992 to conquer a fear addressed in yet another clipping. Taphephobia - the fear of being buried alive (by desk papers!).

Here's how (according to a clipping): You can write to the Direct Marketing Association and request "Telephone Preference Service" and/or "Mail Preference Service." By filling out the form(s) you receive, you can reportedly have your name, address and phone number removed from the marketing lists of the direct mailers who belong to the DMA.

That's: Direct Marketing Association, Inc., 1101 7th Street NW, Suite 900, Washington, D.C. 20036-4704.

The catch: Not all mail/phone marketers belong to the Association; but it might save a tree or two, and keep a few loads of wastepaper out of the landfills. And it might, just might, result in a cleaner desk.

Perhaps a resolution is in order for the year - to stop piling up the desk with clippings.

I'll just make a note of that and put it here on the desk....

Oh well - Happy New Year!

Beware Of Hypothermia

UNIVERSITY PARK (Centre Co.) — Farmers, boaters and fishermen, construction workers and others who work and play outside should be aware of the dangers of hypothermia as winter sets in, says a safety expert in Penn State's College of Agricultural Sciences.

"Hypothermia occurs when a person's body loses heat faster than it can replace it, causing the internal body temperature to drop dangerously low," says Sam Steel, project associate in agricultural and biological engineering and director of the Pennsylvania Agricultural Safety Council. "Most people think temperatures below freezing cause hypothermia, but it can happen in temperatures as mild as 35 to 50 degrees Fahrenheit.

"The average internal body temperature for most adults is 98.6 degrees. If that drops to 90 degrees, the person can become unconscious and vital organs such as the heart and the brain may be seriously damaged."

Hypothermia symptoms include slurred speech, stumbling, confused thinking, shivering, weakness, fatigue, weak pulse and shallow breathing. As the condition worsens, the victim's muscles may become rigid and the heartbeat irregular. Death can result from heart or respiratory failure.

"If someone shows signs of hypothermia, seek medical attention immediately," Steel says. "Victims usually are not aware that they are cold and may even insist that they are comfortable," Steel says.

Hypothermia victims generally are unprepared for changing weather, and are usually stranded motorists, hikers and those who work and play outdoors. Hypothermia also can occur in the home. The elderly, small infants and people who are ill are at risk even in seemingly mild indoor climates.

Boaters and fishermen who fall into water are at particular risk, because water cools a person 25 to 30 times faster than exposure to air of the same temperature. "Persons who fall into cold water must concentrate on quickly getting out and getting warm," Steel says.

What can people do to minimize the risk of hypothermia?

"Dressing appropriately for the weather is crucial for anyone working or playing outside," Steel says. "Well-insulated gloves, footwear and hats will prevent excessive heat loss from the head and extremities."

If you will be working alone, always let someone know where you will be. "Tragically, many people suffer frostbite, frozen body tissue and even death when working alone in desolate areas," Steel says. "Tell someone where you're going, and be sure to eat well-balanced meals and get plenty of rest before starting exhausting jobs during winter weather."

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Cook's Question Corner

If you are looking for a recipe but can't find it, send your recipe request to Cook's Question Corner, in care of Lancaster Farming, P.O. Box 609, Ephrata, PA 17522. There's no need to send a SASE. If we receive an answer to your question, we will publish it as soon as possible.

Answers to recipe requests should be sent to the same address.

QUESTION — Nancy Kramer, Newmanstown, would like low cholesterol and low sodium recipes for restricted diets. Keep sending recipes that will be printed in a January column.

QUESTION — Beth Coyne, Downingtown, writes that she has a Chambers stove from the early 1950s. Its features include a soup well and a broiler/griddle. She would like information on parts and operating instructions. Send name and address only. If we do not receive an answer for this request within the next week, we will drop this request.

QUESTION — Marian Mosemann, Lehighton, would like jam and jelly recipes for ground cherries and for American persimmons.

QUESTION — G. Snyder, Mechanicsburg, would like recipes for Cashew Nougats and for Peanut Butter Nougats that taste like those made by Archway and sold in the stores during the Christmas holidays.

QUESTION — James Everich, Allentown, N.J., would like a recipe for cheese stuffing.

QUESTION — Janice Toleno, Allentown, N.J., would like the recipe for pierogies that appeared in this column within the past two years. The recipe calls for cottage cheese in the dough. Janice said that she has tried several recipes but this one was absolutely the best!

QUESTION — Eva Burrell, Glen Gardner, N.J., would like help with the recipe called "Believe It or Not Bouncing Snowball bouquet." The recipe appeared several years ago in this column. It uses citric acid crystals and baking soda to make mothballs bounce in a centerpiece. Unfortunately, the recipe that Eva has does not work. I recall that some others reported difficulty with the recipe. Someone said the reason was that today's mothballs are missing an ingredient that was formerly in the old style. I think the solution was mailed to us, but I can't find the answer in our files. Does anyone know the solution?

QUESTION — Christine Rudolph, New Oxford, would like a recipe for pork bologna without beef. She would like the smoking temperatures and times, if possible.

QUESTION — Mrs. Norman Brown, Clemonten, N.J., would like to know where cracked wheat can be purchased. She said baking supply warehouses do not carry it. It's as hard as uncooked rice. Ground up, cracked wheat makes delicious cookies.

QUESTION — Carmen LaCava from Tabor, S.D., wrote that her family is grateful for this paper that keeps them informed of what's happening in Pennsylvania. Carmen would like a recipe for chalk.

QUESTION — Rose Martin, Ephrata, would like a recipe for a dry mix similar to Bisquick buttermilk baking mix.

QUESTION — Verna Judy, Middletown, would like an address to send for fruit cakes from Texas.

QUESTION — Loretta Kurtz, Allensville, would like to know how to dry apple slices that remain white for wreath decorations.

ANSWER — Jean Delp, Salem, N.J., would like a recipe for a deep fried cookie-type dessert called boogie or bow tie. Thanks to Dottie Yautz, Easton, for sending a recipe. Also thanks to Loretta Kurtz, Allensville, who sent a recipe for deep fried cookies called Scandinavian Fried Cookies.

Italian Bows (Bugie)

4 cups flour
1 teaspoon baking powder
1 teaspoon cinnamon
1 stick margarine
¾ cup sugar
3 eggs
Vegetable oil
Confectioners sugar

Sift together flour, baking powder, and cinnamon; set aside. Beat sugar and margarine until fluffy. Add eggs, 1 at a time, beating well. Stir in flour mixture to make soft dough. Wrap in wax paper. Chill several hours.

Roll dough. Cut into inch strips with pastry cutter. Cut each strip into diamond shapes, make a small slit in each piece. Carefully pull one corner of piece through slit to make a sort of bow tie.

Fry in vegetable oil until lightly browned. Drain on paper towels. Sprinkle with confectioners sugar. Makes 8 dozen.

Scandinavian Fried Cookies

3 egg yolks
1 whole egg
½ teaspoon salt
¼ cup confectioners sugar
1 tablespoon rum flavoring
1 teaspoon vanilla
1 cup flour

Heat dde fat (at least 2-inches deep) to 375 degrees. Beat egg yolks, whole egg, and salt together until very stiff about 10 minutes. Blend in confectioners sugar and flavorings thoroughly. Measure flour by dipping method. Add flour all at once; mix well. Knead dough on well-floured cloth covered board until surface is blistered in appearance, about 7 minutes. Divide in half; roll out each half very thin ⅛ -inch thick. With pastry wheel or knife, cut dough into 4x2-inch diamonds. Make 1-inch slit in center of each; draw a long point of diamond through slit and curl back in opposite direction. Fry until delicately browned in deep hot fat, about ½ minute. Turn quickly and brown other side. Drain on paper towels. Sprinkle with confectioners sugar. Makes 2 to 3 dozen cookies.

ANSWER — Janet Speck, Hopewell, N.J., wanted a German recipe for pickling pigs feet in a gallon jar. Thanks to Florence Mucha, Mehoopany, for sending a recipe.

Pickled Pig's Feet

4 pigs feet with upper leg
1 quart vinegar
4 bay leaves
1 tablespoon whole cloves
1 tablespoon broken cinnamon
¼ cup salt
2 teaspoons pepper
½ onion
1 blade mace

Clean the feet and cover with hot water. Boil slowly until meat is soft or separates from the bone. Carefully remove the feet from the broth. Place meat in jar. Remove largest bone and set the broth aside in a cool place to use later.

Place the vinegar on the stove; add bay leaves, cloves, cinnamon, salt, pepper, onion. Cut in eighths and mace. Simmer slowly in vinegar for 45 minutes. Do not let the vinegar boil rapidly at any time. Remove the fat from the water in which the feet were boiled and save for cooking later. Add about 1 quart of broth to vinegar. Strain the liquid through a sieve. Remove the spices and pour it over the meat in the jar, helping it through the meat with a knife and fork until its thoroughly mixed. Set the jar in a cold place for a couple of days.

ANSWER — Margaret Gockley, Mohnton, requested a recipe for peanut butter and jelly cookies. Here is one that stores well.

Peanut Butter And Jelly Cookies

½ cup creamy peanut butter
½ cup butter
½ cup granulated sugar
½ cup brown sugar, firmly packed
1 egg
1 cup flour
1 teaspoon baking soda
1 teaspoon vanilla
¼ cup all-fruit jam

Cream peanut butter, butter, and sugar. Add egg and vanilla. Continue to beat. Add baking soda and flour; mix thoroughly.

Form balls with hands and place on ungreased baking sheet. Press balls flat with fork in crisscross method with form dipped in sugar.

Place ⅛ teaspoon jelly in middle of cookie before baking. Bake for 10 minutes. Let stand for at least 3 minutes before removing from baking sheet.

Leftovers?

(Continued from Page B6)

CHEESE POTATO BREAD

1 package dry yeast
½ cup scalded milk
3 cups flour
1 teaspoon sugar
1 teaspoon salt
⅓ cup mashed potatoes
⅓ cup butter, melted
1 cup shredded Gruyere cheese
2 eggs, unbeaten

Soften yeast in ½ cup scalded milk, cooled to lukewarm. Let stand 5 minutes.

Sift together flour, sugar, and salt. Combine potatoes, melted butter, cheese, and eggs in large bowl. Beat until well combined. Blend in yeast-milk mixture and dry ingredients; mix thoroughly.

Knead on well floured board until smooth and satiny, 5 to 8 minutes. Place in greased bowl and cover. Let rise in warm place until doubled in bulk, about 1 hour.

Punch down dough by plunging fist in center. Knead gently on floured board about 2 minutes. Shape into long roll and fit into well-greased 9-inch ring mold. Pinch ends together to seal. Let rise in warm place until light, about 30 minutes.

Bake in 375 degree oven for 25 to 35 minutes. Serve warm. Makes 1 9-inch bread ring.

QUICK TURKEY PIE

2 cups turkey, chopped
4½ -ounce can mushrooms, drained
½ cup onion, diced
½ teaspoon salt
1 cup Swiss cheese, shredded
1½ cups milk
¾ cup buttermilk baking mix
3 eggs

Heat oven to 400 degrees. Lightly grease 10-inch pie plate. Sprinkle turkey, mushrooms, onions, salt and cheese in a pie plate. Beat remaining ingredients until smooth. Pour into pie plate. Bake 30 to 35 minutes or until golden brown and knife inserted halfway between center and edge comes out clean. Let stand 5 minutes before cutting. Garnish with parsley if desired. Serves 6 to 8.

Mary Ellen Martin
Lincoln

WILD RICE, CHEESE, CHICKEN CASSEROLE

6-ounce box wild seasoned rice
2 tablespoons butter
½ cup celery, diced
¼ cup onion, diced
4-ounce can sliced mushrooms
¼ cup almonds, slivered
1 can cream of mushroom soup
⅓ cup milk
2 cups cooked turkey, cubed
10 slices American cheese

Cook rice according to directions on box. Melt butter, add onion, celery and mushrooms. Saute gently until tender. Mix with remaining ingredients and stir until cheese is melted.

Pour into a buttered casserole. Garnish with slivered almonds. Bake at 375 degrees for 45 minutes. Serves 6 to 8.

Norma Richardson
Maple Park

MASHED POTATO PANCAKE

1 cup mashed potatoes
2 cups flour
1 teaspoon salt
3 teaspoons baking powder
2 eggs, beaten
1 cup milk
4 tablespoons light corn syrup
1 teaspoon nutmeg

Combine potatoes, flour, salt, and baking powder. Mix together eggs and milk and stir lightly into the potato-flour mixture. Add corn syrup and nutmeg and beat well.

Bake on a greased griddle until cakes are brown on both sides. Makes 12.

POTATO BISCUITS

1 cup flour
3 teaspoons baking powder
1 teaspoon salt
2 tablespoons shortening
1 cup mashed potato
½ cup water or milk

Mix flour, baking powder, and salt. Blend in shortening. Add potato and mix thoroughly. Add enough liquid to make a soft dough. Roll dough lightly to about ½ -inch in thickness. Cut into biscuits. Bake in 400 degree oven for 12 to 15 minutes.

"Microwave Magic"

By:
Carol Stark

Microwave ovens make cooking easier and more enjoyable by helping you save time and effort. Many people are not aware of how many things can be done by a microwave. Here is a list of time-saving ideas, but remember to refer often to this list so that you don't forget how convenient your microwave can be.

•Warming ice cream toppers: Place the glass jar of ice cream topping in microwave oven. Micro-cook, uncovered, on 100 percent power (HIGH) until heated throughly. Allow 45 to 60 seconds for a full 12-ounce jar of topping.

•Softening unflavored gelatin: Sprinkle unflavored gelatin over the cold liquid specified in the recipe. Let stand for 5 minutes. Micro-cook, uncovered, on 100 percent (HIGH) until gelatin is dissolved, stirring once. Allow 45 to 60 seconds for ½ cup liquid; 1½ to 1¾ minutes for 1 cup liquid, and 2 to 2¼ minutes for 1½ cups liquid.

•Warming breads: Place rolls in napkin-lined basket or on nonmetal plate. Micro-cook on 100 percent (HIGH) until warm, turning once. Allow 15 to 20 seconds for one or two rolls, 30 to 50 seconds for 4 rolls, and 40 seconds to 1½ minutes for 6 rolls.

•Toasting nuts: Spread ¼ cup of desired nuts in a pie plate. Micro-cook, uncovered, on 100 percent (HIGH) about 3 minutes or until toasted, stirring frequently.

•Melting chocolate: Place wrapped chocolate square in microwave oven with folded side of wrapper up. Micro-cook, on 100 percent (HIGH) until melted. Allow about 2 minutes for one square and 2½ to 3 minutes for two squares. Lift wrappers by folded ends.

•Making plain croutons: Spread 4 cups of ½ inch bread cubes in a 12x7½x2 inch baking dish. Micro-cook, uncovered, on 100 percent (HIGH) for 6 to 7 minutes or until crisp and dry, stirring every 2 minutes.

•Toasting coconut: Spread ½ cup flaked coconut in a pie plate. Micro-cook, uncovered, on 100 percent power (HIGH) for 3 to 4 minutes or until golden. After 1½ minutes of micro-cooking, stir coconut every 30 seconds.

•Plumping raisins, currants, or dried apricots: In a mixing bowl micro-cook 2 cups water, uncovered, on 100 percent power (HIGH) for 4 to 6 minutes or until boiling. Stir in 1 cup raisins, currants or dried apricots. Let stand for 5 minutes. Drain off excess water.

Think of the smell of fresh baked bread when the weather outside is cold. To help with the preparation of bread the microwave comes in very handy.

SWIRL BREAD

Filling:

1 cup raisins or dried currants, plumped
¼ teaspoon vanilla

Ingredients:

2 tablespoons cold stick margarine
6¾ to 7¼ cups all purpose flour
2 packages active dry yeast
2 cups milk
¼ cup sugar
¼ cup butter or margarine, cut up
2 teaspoons salt
3 eggs
Milk
1 cup sifted powdered sugar

Before you begin, test microwave oven to determine if it may be used for raising bread dough. To test, place the 2 tablespoons cold stick margarine in a custard cup in the center of the microwave oven. Micro-cook margarine, uncovered, on (LOW) power for 4 minutes. If margarine is completely melted in less than 4 minutes, you will be UNABLE to satisfactorily proof (raise) bread in your microwave oven.

Combine 3 cups of the flour and yeast. Combine milk, ¼ cup sugar, ¼ cup butter or margarine, and salt. Micro-cook, uncovered, on 100 percent (HIGH) for 2 to 3 minutes or until just warm (115 to 120 degrees) and butter is almost melted.

Add milk mixture and eggs to flour mixture. Beat with electric mixer on low speed for ½ minute. Beat 3 minutes at high speed. Stir in as much of the remaining flour as you can. Turn out onto a lightly floured surface. Knead in enough remaining flour to make a moderately stiff dough that is smooth and elastic (6 to 8 minutes total). Shape into a ball. Place in a lightly greased non-metal bowl; turn once.

Meanwhile, fill a 4-cup measure with 3 cups of water. Micro-cook, uncovered, on 100 percent (HIGH) for 4 to 6 minutes or until boiling. Set to side in oven. Place dough beside water; cover loosely with waxed paper. Micro-cook on 10 percent (LOW) for 16 to 20 minutes or until dough doubles in size.

Punch down; divide in half. Cover; let rest 10 minutes. Roll each half into a 15x8-inch rectangle. Brush with milk. Sprinkle half of the filling over each rectangle. Beginning with narrow end, roll up jelly-roll style; seal edge and ends. Place seam side down in two greased 9x5x3-inch loaf dishes.

Place loaves besides water; cover loosely with waxed paper. Micro-cook on 10 percent (LOW) for 6 to 8 minutes or until dough nearly doubles in size.

Bake in a conventional oven at 375 for 35 to 40 minutes or until done. Cover with foil the last 15 minutes. Remove from pans. Stir together powdered sugar and flavoring; add enough milk for drizzling consistency. Drizzle atop warm loaves. Makes 2 loaves.

MEATLOAF

1½ pounds of ground beef
¼ cup catsup
2 tablespoons brown sugar
1 teaspoon mustard
Snipped parsley
2 beaten eggs
¾ cup milk
½ cup fine dry bread crumbs
¼ cup finely chopped onion
2 tablespoons snipped parsley
1 teaspoon salt
½ teaspoon ground sage
⅛ teaspoon pepper

In a mixing bowl stir together beaten eggs and milk. Stir in fine dry bread crumbs, chopped onion, 2 tablespoons snipped parsley, salt, sage and pepper. Add ground meat and mix well. Pat ground meat mixture into a 5½ cup ring mold. Unmold into a 9- or 10-inch pie plate. Loosely cover with waxed paper. Micro-cook on 100 percent power (HIGH) for 10 to 12 minutes or until nearly done, rotating the dish a quarter turn every 3 minutes. Spoon off fat.

For topping, stir together liquid and seasoning. Spoon over meat loaf. Loosely cover with waxed paper. Micro-cook on 100 percent (HIGH) for 2 to 3 minutes or until topping is heated throughly. Let stand, covered, for 5 minutes. Top with garnish, if desired. Makes 6 servings.

SAUCED CHICKEN

½ cup chili sauce
¼ cup orange juice
½ cup cranberry orange relish
2½ to 3 pound broiler-fryer chicken
1 tablespoon water
2 teaspoons cornstarch
Hot cooked rice (optional)

In a 12x7½ x2-inch baking dish, arrange chicken, skin side down, with the mealiest portions toward the outside. Loosely cover with waxed paper. Micro-cook on 100 percent power (HIGH) for 9 minutes, rotating the dish a half turn after five minutes.

Meanwhile, stir together liquid and flavoring. Drain fat off chicken. Turn chicken pieces skin side up. Spoon liquid mixture over chicken. Loosely cover with waxed paper. Micro-cook on 100 percent power (HIGH) for 10 to 11 minutes or until chicken is tender, basting chicken and rotating dish a half turn after 5 minutes. Transfer

(Turn to Page B14)

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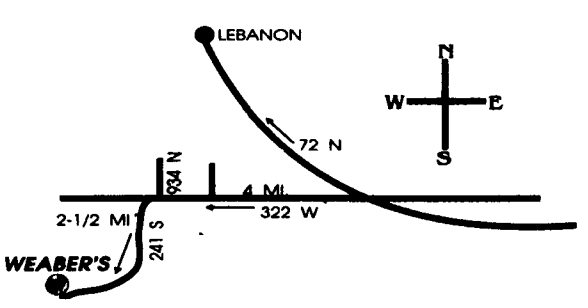

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Tips For Safe Sledding

UNIVERSITY PARK (Centre Co.) — For adults and children alike, winter weather means hours of fun making snow forts, sliding down hills and having snowfall fights. But winter wonderlands are often dangerous, especially for those who enjoy sledding and tobogganing, says a safety expert in Penn State's College of Agricultural Sciences.

"The U.S. Consumer Product Safety Commission estimates that more than 50,000 people receive emergency room treatment annually for injuries related to sleds, toboggans and snow disks," says Sam Steel, project associate in agricultural and biological engineering and director of the Pennsylvania Agricultural Safety Council.

Accidents occur for several reasons. "Many accidents are caused by sleds with mechanical or structural problems," Steel says. "Old sleds may splinter and break, or ropes can lodge under a runner, causing the sled to stop abruptly. Some sleds have flawed steering mechanisms — for instance, most disks can't be stopped or steered except by leaning the body from side to side."

Poor riding conditions cause many accidents. "A new snowfall can hide ruts, rocks, tree stumps or branches on a sled trail," Steel says. "Icy conditions can make the sled hard to control while increasing the speed of the vehicle. Unsuspecting riders can lose control and overturn."

Accidents also occur when sled riders collide with a moving car, another sledder or stationary objects such as trees or walls.

When selecting a sled, toboggan or disk, keep safety in mind. "Check for sturdy construction and avoid split or splintered wood and metal parts that are bent out of shape," Steel says. "Avoid equipment with sharp, jagged edges and protruding rivets, and look for a sled with a protective guard or bumper over the metal front bar to prevent cuts and other injuries in a collision." Other safety features to look for include easy steering mechanisms and secure handholds.

Both children and parents should observe good safety practices before using snow vehicles. "Parents should examine the sliding area for hidden stumps, rocks and other hazards before allowing children to use it," Steel says. "Young children need close adult supervision when sledding."

Children should learn how to safely roll sideways off a sled to lessen the chance of injury in a collision. They need to learn how to stop the sled, toboggan or disk. Children also should refrain from pushing, shoving and other roughhousing while riding.

Above all, children should avoid streets and traffic intersections when playing in the snow.

A few simple maintenance tips will keep your snow vehicles in top condition. "Occasionally rub sled runners and other metal parts with candle wax to keep them rust-free and help them coast easily," Steel says.

"Wax also can be applied to any wooden parts when you remove the vehicle from storage at the beginning of the season and again before storing it at the end of winter. This protects the wood from moisture. Sand any rough or splintered wooden parts.

"Lubricating metal bolts, pivots and rivets with a drop or two of oil will make steering easier and help keep moving parts rust-free."

For more information about safety, contact the Pennsylvania Agricultural Safety Council at (814) 863-7710.

Perched on a stack of firewood, these friendly kittens are unaware that the sign above them reads "Friends."

Farm Women Societies

Lancaster Society 18

Lancaster Farm Women Society 18 met at the home of Amy Martin, East Petersburg. Members had a Christmas party and donated money to the Food Bank to feed the needy. The next meeting will be a breakfast meeting at Eden Resort Inn on January 18 at 9:30 a.m.

York Society 26

York County Society 26 held a Christmas party at Deb's Restaurant in Newberrytown on December 10. President Shirley Miller was hostess.

Incoming president Ruth Traver and two delegates will be attending teh state convention and banquet in Harrisburg.

The next society meeting will be held at I-83 Restaurant at Strinestown on January 14, at 12:30 p.m.

Berks Society 4

When Berks Society 4 met at Boyertown recently, Mary Fizz read "Christmas Lost and Found" and the Christmas Story from the book of Luke.

A Christmas Party with caroling, gift exchanges and revealing of secret pals was enjoyed by the group.

Gifts for shut-ins will be made at the home of Marguerite Rush. Canned items were collected for a needy family and money was donated to Salvation Army.

Mary Fizz and Elsie Rothenberger will represent the group at the State Convention in Harrisburg on January 13. The next meeting on January 7 will be at the home of Evelyn Becker in Boyertown.

Learn To Make A Profit From Sewing, Crafts

Penn State Cooperative Extension will sponsor a one-day workshop, Sewing and Crafts for Profit, on Wednesday, March 18, at Penn State Harrisburg, Middletown. Designed for those who own a sewing or craft related business (or those who are thinking of starting one), the program includes information about making the decision to go into (or stay) in business, legal issues relating to creative businesses, marketing your product, pricing for profit, taxes and recording keeping, and developing your business plan. A panel of successful entrepreneurs will provide practical advice concerning the pros and cons of business ownership. A registration fee of $20 covers all workshop materials and lunch. For more information or a registration form, contact Mary Laeger-Hagemeister at the Dauphin County Cooperative Extension Office, (717) 921-8803. Registration deadline is Friday, March 6.

Winners Finish Milk Run

Syracuse, N.Y. — One-hundred and fifty runners turned out for the seventh annual Milk Run sponsored by American Dairy Association and Dairy Council (ADADC), Easter Seals, Z-100 radio and Dellwood Foods. The run at Jones Beach State Park on Long Island took place October 20.

A one-mile family run/walk was followed by a five kilometer run. Real dairy food refreshments were served and race winners received medals and prizes.

Overall winners in the 1 milk run/walk were Annette Sheehan, 31 of Bellmore; Craig Lowenthal, 16, of Jamacia; Scott Emory, 12, of Dix Hills; and Catherine Williams, 10, of Annapolis, Maryland.

Winners of the 5 kilometer run were Liz Flahavan, 27, and Donald DiDonato, 34, both of Hicksville. The Wheelchair winner was Nick Katsounis, 48, of Uniondale.

Proceeds from the annual run benefit the Easter Seal Society. Each year people at all fitness levels are encouraged to participate. The American Dairy Association and Dairy Council, Inc. (ADADC) is a dairy promotion organization representing dairy farmers and producers from New York, Pennsylvania, and New Jersey.

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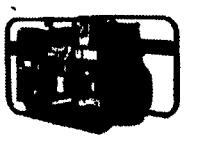

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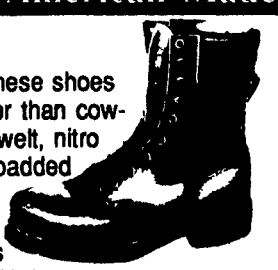

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Look Back, Look Ahead New Year Brings Reflection, Hope

LOU ANN GOOD
Lancaster Farming Staff

EPHRATA (Lancaster Co.) — Pennsylvania Dairy Princess Robin Wilbur did not hesitate to name the highlight of her year. "Definitely, it was being crowned Pennsylvania Dairy Princess," she said.

According to Robin, the most disappointing event of the year is "the bad economy," which has sparked her goal for next year. "I'm going to tell everyone I meet about real dairy products; hopefully, that will help farmers and boost the economy," she said.

Pennsylvania Dairy Princess Robin Wilbur hopes to spur purchases of dairy products by telling everyone she meets about the nutritional value.

Gail McPherson

Gail McPherson of Maple Lawn Farms, New Park, bubbled with enthusiasm for the achievements of her children during 1991. Her 18-year-old daughter was one of 20 accepted from 600 applicants at the Institute of Arts in California, the school Walt Disney founded. Seeing her daughter so happy at the school and then picking her up at the airport for the holidays was a special thrill for Gail.

Her 16-year-old son also won some honors. He had the lead in the junior play, made youth symphony and district chorus and won the FFA white rose.

Another daughter, who is 13, accomplished a difficult course including riding jumps with her horse.

On the disappointing end of 1991, Gail and her husband Paul, who operate a fruit and grain operation, were grieved to see 2,000 boxes of their nectarine crop languish in coolers. "We had a beautiful crop, but the bottom dropped out of the peach market," she said. The year before hail damage had destroyed the crop so this year the McPhersons were elated when the crop looked so perfect. "It's disappointing to work so hard and have nothing to show for it," Gail said.

Next year, Gail hopes for something that she has never seen in the 20 years that she has been helping her husband with Maple Lawn Farms — a good year for both grain and fruit.

She said, "Each year, either grain or fruit is in trouble. I'm waiting for the year where both

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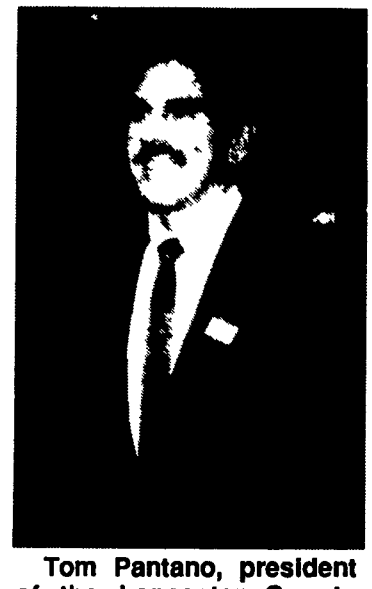
Carol Ann Gregg, president of Penn Agri-Women, hopes next year will be better year.



Tom Pantano, president of the Lancaster County Poultry Association,

Gail McPherson of Maple Lawn Farms Inc., in New Park hopes for a good year for grain and fruit — something she hasn't seen for 20 years.

Corinne Nissley, president of the Society of Farm Women of Lancaster County, wishes people were more compassionate toward others.

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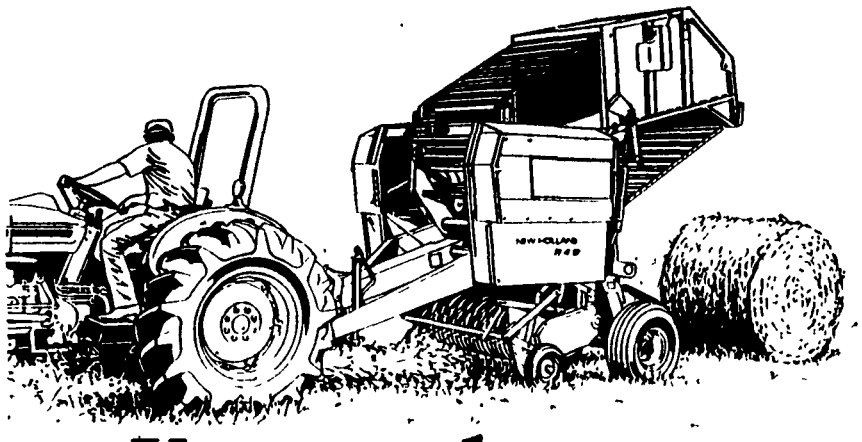

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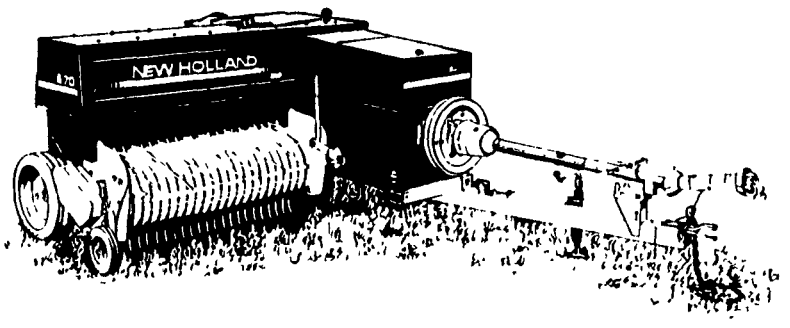

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855	$2,450	$1,750	$2,450	$1,750

MODEL	NOV./JAN. DIVIDEND	NOV./JAN. CASH FINANCING*	FEB./MAR. DIVIDEND	FEB./MAR. CASH FINANCING*
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Look Back, Look Ahead

(Continued from Page B12)

grain and fruit are big.

It's difficult for Gail to comprehend that when so many people are supposed to be hungry and everyone is looking for food bargains that people did not eat fruit last year. She said, "I guess people want convenience. They no longer process their own fruit. I think we are spoiled and we may need to get hungrier and poorer before we appreciate the food we have."

Gail said, with government intrusion causing more paperwork, Maple Law Farms was required to pay $30,000 increase in employee pay and $24,000 in employee insurance. "The industry and the economy is unhealthy. But," she added, "we eat good and we have each other and that is most important."

Tom Pantano

Tom Pantano, president of the Lancaster County Poultry Association, was delighted with the involvement of county poultry producers in the association's activities during 1991. "There was increased overall support and having the '91 annual banquet sold out was great," he said.

He was disappointed that poultry producers needed to bear the burden of improper food handling of poultry and eggs.

"My opinion is that there is no food on earth better for you than poultry and eggs when properly cooked," he said.

In 1992, Pantano looks forward to the March Poultry Progress Days where an unnamed speaker will speak on People's Rights, a positive viewpoint on how county farmers help feed the world. According to Pantano, the speech will combat the negative views of animal rights activists.

Carol Ann Gregg

Carol Ann Gregg, president of Penn's Agri-Women, reports that her highest and lowest moments were tied to one event. In 1991, she was hired to write for ***Pennsylvania Farmer*** only to lose the job several months later due to a magazine buyout. As she scrambles to readjust to the changes in her life, Carol Ann is attempting to establish her own agricultural public relations and free-lance writing business. "I learned so much," Carol Ann said. "It was a great disappointment. You read about company buyouts but until it affects you, you can't comprehend the frustration it causes."

Gregg said that as far as the Agri-Woman organization, she was especially pleased with the Ag Reception in the Rotunda and Agri-Women will again sponsor the event on March 17.

"It's frustrating that as members we can't get together more often because members are scattered across the state, it is too difficult to arrange meetings," she said.

Corinne Nissley

Corinne Nissley, president of the Society of Farm Women Of Lancaster County, said the highlight of her year was a new grandson born in September. That makes four Nissley grandsons and three granddaughters.

Corinne, who describes herself as an optimistic person who doesn't set unrealistic goals, is thankful that she did not have any major disappointments in 1991. She is sorry to see that so many people in the world don't have it in their heart to forgive others. She is sorry there are so many hurting people left in the Persian Gulf after American troops were pulled out. She wishes people would be more sensitive to each other and more observant of other's needs.

This season, the Nissleys will open their home to a college exchange student. In 1992, the Nissleys look forward to celebrating 50 years of marriage.

Hormones Dictate Fat We Eat

COLLEGE PARK, MD — Many factors contribute to the decisions we make about what to eat. Taste preferences, cultural practices and affordability all influence the composition of our diet. Physiologically determined mechanisms also guide our selection of foods to meet our bodies' nutritional needs. Although we don't always eat right, these mechanisms ensure that our diets remain balanced.

Why then do some of us get fat? Why don't these physiological mechanisms stop us from getting too much of a good thing? The work of Maryland Agricultural Experiment Station researcher Tom Castonguay has shed some light on these questions and advanced our understanding of the physiological basis of obesity. "We've learned more about obesity in the last five years than ever before," said Castonguay, a physiological psychologist and associate professor in the department of human nutrition and food systems.

Castonguay and his colleagues have learned that a key to understanding obesity may lie in the adrenal gland, not the stomach. Their research provides compelling evidence that hormones secreted by these small glands perched on top of the kidneys play an important role in determining the amount of fat that people include in their diets.

The hormones, called glucocorticoids, regulate the body's blood level and use of glucose, a sugar that is a primary source of energy. Castonguay has demonstrated that obese rats have a higher than normal level of these hormones and that they prefer to eat high fat foods.

Dr. Castonguay has also shown that removal of the adrenal glands, which eliminates the glucocorticoids, causes obese rats to reduce the amount of fat that they include in their diet. When glucocorticoid supplements are given to these adrenalectomized rats, their preference for fat is restored and they

(Turn to Page B15)

Hormones secreted by our adrenal glands may determine the amount of fat we include in our diet. Researcher Thomas Castonguay has demonstrated a link between elevated levels of these hormones, known as glucocorticoids, and an increased preference for fatty foods.

Microwave

(Continued from Page B9)

chicken to platter. Keep warm.

Skim fat from juices. Measure 1 cup of the juices in a 2-cup measure. Stir together water and cornstarch. Stir into the reserved 1 cup juices. Micro-cook, uncovered on 100 percent power (HIGH) for 2 minutes or until thickened and bubbly, stirring every minute. Micro-cook, uncovered, 2 minutes more stirring after 1 minute. Spoon some sauce over chicken; pass remaining sauce. Serve chicken and sauce with hot cooked rice, if desired. Makes 6 servings.

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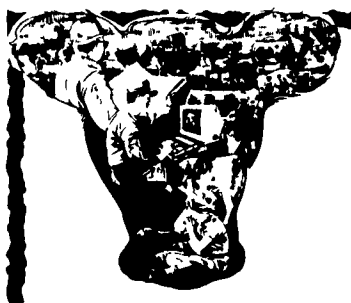

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Hormones Dictate Fat We Eat

(Continued from Page B14)

gain weight.

According to Castonguay, normal rats that have gone without food for one or two days also have high levels of glucocorticoids. When given free access to a variety of foods, these rats also prefer to feed on high fat foods.

People with Cushing's Syndrome, a genetic disorder that produces increased glucocorticoid levels, show a rapid weight gain and a preference for fatty foods. Clearly, says Castonguay, elevated glucocorticoids play a role in the intake of and preference for fatty foods. Castonguay cautioned, however, that a treatment for obesity based on his findings is a long way off. "We're not ready to even think about using a drug to block glucocorticoid receptors in the brain," he said. "We still don't know how these hormones are modulating fat intake. We don't know if it's controlled by the brain or by a structure or system outside the central nervous system."

To try to answer these questions, Castonguay plans to inject the hormones directly into the brains of rats that have had their adrenal glands removed. He wants to see if this will restore the rats' preference for fat following fasting.

If Castonguay finds that brain injections restore obese eating habits, he will then try to determine the specific brain sites involved by applying the hormones to discrete brain areas. "What we're trying to do," he said, "is bridge the gap between nutrition and the brain."

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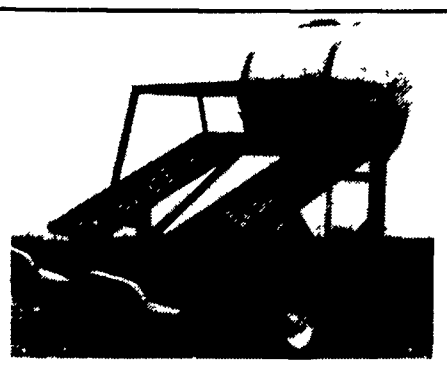

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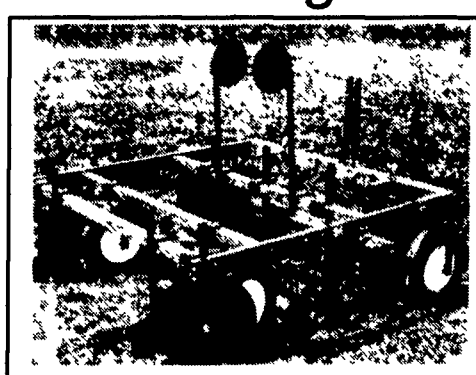

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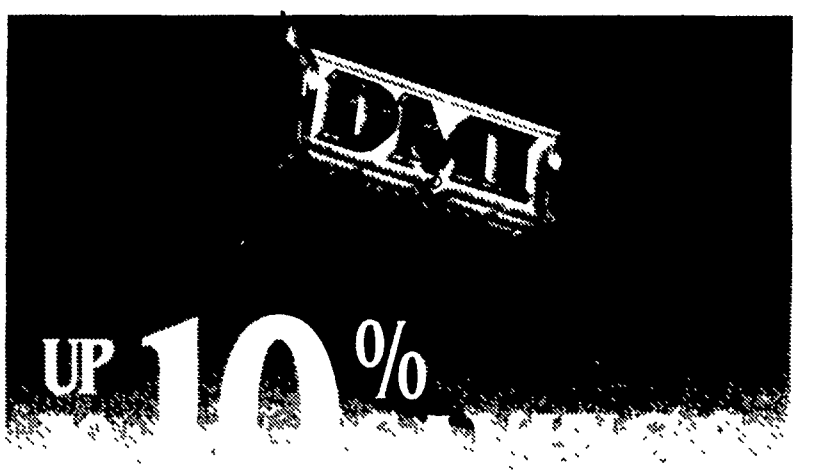

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4-H HAPPENINGS

Fitting award winners included Charis Alderfer, Jonathan Sterner, Paul Plummer, Katie Sterner, and Zachary Quigley. Not pictured: Brenda Wolfgang.

Bob Brown of Rosenberger's Dairy presents "Most Improved Individual" plaque to Jonathan Sterner. Sterner was also the winner of the Montgomery County Dairy Club's Top Show Award.

Winners of showmanship awards included Karen Wolfgang, Jonathan Sterner, Paul Plummer, Zachary Quigley, and Lizzie Moser. Brenda Wolfgang was not present for the picture.

Montgomery County Youth Win 4-H Awards

Excitement was high at the 4-H Center in Creamery. It was the evening of the Montgomery County 4-H dairy awards banquet.

This event was planned and conducted by club officers Paul Plummer, president; Danielle Breaux and Karen Wolfgang, vice presidents; Amy Plummer, secretary; and Jonathan Sterner, treasurer, along with leaders Eleanor Kopistecki, Nona Breaux, and Greg Moser.

Showmanship and fitting awards were given in three categories: senior, intermediate, and junior.

Receiving showmanship trophies were Brenda Wolfgang and Jonathan Sterner, Bechtelsville, and Zachary Quigley, Lansdale. Reserve showman were Paul Plummer, Chalfont, Karen Wolfgang, Bechtelsville, and Lizzie Moser, Gilbertsville.

Winners of fitting awards were Paul Plummer, Jonathan Sterner, and Charis Alderfer, Harleysville. Reserve fitting awards went to Brenda Wolfgang, Katie Sterner, Bechtelsville, and Zachary Quigley.

Master of ceremonies, extension agent Tim Fritz, presented the Top Show Award to Jonathan Sterner for overall achievement at the Montgomery County 4-H Dairy Show. Owner-breeder awards were presented to Danielle Breaux, Salfordsville, and to Brenda Wolfgang.

Brenda was recognized for her achievement in being selected as a delegate to the National 4-H Congress for her presentation of an outstanding record in personal development. The club presented a check to the 4-H Development Fund to help with her traveling expenses. Brenda is the daughter of Robert and Gail Wolfgang, and is a student at the State University of New York, Cobleskill.

Rosenberger's Dairy sponsored a new award for most improved individual. Bob Brown of Rosenberger's presented the plaque to Jonathan Sterner, son of George and Linda Sterner.

Danielle Breaux was awarded a plaque for completing two years in the Teen Leader Program.

New members welcomed to the club were Leah Seipt, Lansdale; Sean Hallowell, Bechtelsville; and Christine Michalik, Sellersville.

For having the highest project scores, awards were presented to senior Brenda Wolfgang; intermediate Amy Plummer of Chalfont; and junior Michelle Hilmer, Harleysville.

Karen Wolfgang, Danielle Breaux, and Lizzie Moser were selected for Spirit awards for active involvement and enthusiasm in club activities.

Adams 4-H Celebrate Anniversary

The Adams County 4-H program has joined with five counties in south central Pennsylvania to celebrate the 75th anniversary of 4-H in the region.

The celebration will be recognized in the form of a Winross 4-H 75th anniversary truck. The collector's item limited edition truck is available on a prepaid basis at $45 a truck for non-4-H members/leaders.

Delivery is scheduled for March, 1992. The 4-H truck is an excellent memento for 4-H alumni and friends alike. Orders are due to the Adams County Extension Office by Friday, January 24. Request an order form at: Adams County Extension, 1135 Chambersburg Rd., Gettysburg, PA 17325, (717) 334-6271 or (717) 624-4525.

The Winross 4-H truck is both a recognition and a 4-H fund-raiser project. In Adams County, 4-H Clubs of Adams County, Inc. is the sponsor. Funds derived from the sale will be used to more fully develop the 4-H youth program in Adams County.

The region conducted a design contest and Adams County 4-H member Korrie Livelsberger, Bonneauville, submitted the winning design. Korrie will receive a free truck for her design creativity.

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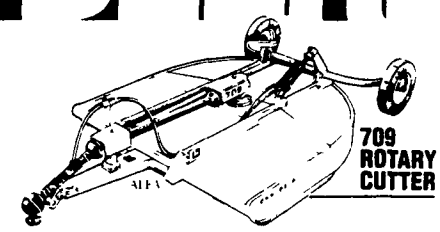
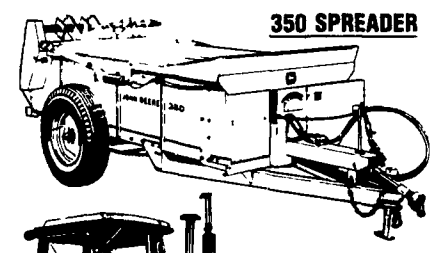


709 ROTARY CUTTER



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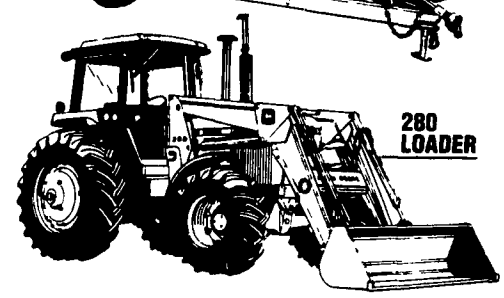
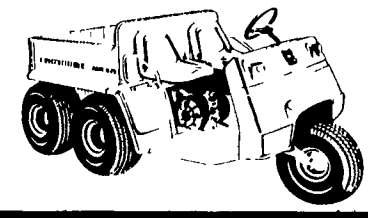


280 LOADER



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4-H Shepherds Roundup

The grand champion carcass lamb at the recent Franklin County 4-H Shepherds Roundup was a 55-pound Suffolk carcass lamb raised by Scott Sollenberger, St. Thomas. The champion lamb originated from the flock of Thomas Junkin, Willow Hill and was purchased by The Travel Room Restaurant, Chambersburg.

Sharena Mead, Chambersburg, received reserve champion honors for her Targhee X Suffolk carcass lamb which was purchased jointly by Niven Baird, Carlisle, and Angus White, Clinton, Md. The reserve champion lamb was bred in the flock of Elisabeth Keener.

Carcass judging was held at Steely Meats, Fayetteville and was conducted by the seven-member Pennsylvania State University Meats Judging Team, headed by Dr. William Henning, Penn State extension meats specialist.

The third place lamb in the top 10 was a home-grown Merino X Oxford raised by Jill Mellott, Waynesboro. It weighed 46 pounds, and was purchased by Leon Burkholder, Chambersburg.

Average weight for the lamb carcasses at the 1991 roundup was 52 pounds and the average price was $1.32 per pound.

Robert Carl, owner of the Travel Room, purchased the grand champion lamb from Scott Sollenberger, right.

Sharena Mead, Chambersburg, reserve champion winner.

Rotary 4-H Awards

More than 50 4-H'ers and 23 adults were recegnized for their leadership work and project skills during the 1991 Rotary 4-H Awards Night, held Nov. 23, 1991 at the 4-H Center.

Master of Ceremonies, Rotarian Dave Harrington, introduced Christy Dove and Shelly Erskine. Their presentation, "A Motivating Experience," provided insight into the Rotary Youth Leadership Assembly program.

Rotarians and their wives and Warren County 4-H Development Council members presented awards to individuals.

The 1991 Rotary 4-H Home Economics 1 trophy was presented to Paula Brown of Bear Lake. She's a member of Western Dairy, Lottsville Stitchems, and Keystone Connection clubs. She has club officer responsibilities, does club and county presentations, plus participates in county dairy and clothing training programs.

The Rotary 4-H Agriculture Award was presented to Amanda Rapp of Warren County Trail Blazers. Her club activities include helping handicap horse program, horse training clinics, presentation contest, and several other community services.

Three $250 scholarships were awarded to Marnie Rapp of Trail Blazers; Dale McMillen, leader, Shamrock Sheep Club; and Jolynne Brown of Western Dairy, Keystone Connection, and Lottsville Stitchems clubs.

Valarie Tarr and Andy VanOrd each received a 4-H winter jacket as part of the Watts Memorial outstanding 4-H'er award.

The Debbie Knowlton Livestock Award was earned by Pam Lyon of Shamrock Sheep. Brett Marsh Dairy member plaque and savings bond was presented to Deborah Callan of Eastern Dairy Club.

Kevin Webb of Penn West Credit presented Candy Hitchcock with a $200 savings bond for her outstanding project dairy records. Other receiving recognition for good animal project records were Mark Lauffenburger - swine; Kevin Deeter- horse production; Andy VanOrd - oxen; Pam Lyon - sheep; Becky Smith - rabbits; and John Lyon - beef.

Eric and Julie Brown of Spindle Spinners each received the boy and girl "I Dare You" Award.

Lancaster 4-H Woolies Club

The Lancaster County 4-H Woolies Club met Monday, December 9, at 7 p.m. at the Lancaster Farm and Home Center. The meeting was called to order by the president, Mark Tracy.

Members were reminded to turn in their project record books as soon as possible after the Farm Show in January.

Members were also told to be giving extra attention to their animals, which will be exhibited at the Pennsylvania Farm Show.

Livestock Extension Agent Chester Hughes went over some new rules and date changes for this show. The Junior Sheep Breeding and Junior Market lamb shows will be held Tuesday, January 14, 1992 at the Farm Show.

The poinsettias for our fund raiser were distributed at this meeting.

After the meeting, there was a Christmas party with refreshments, games, and a gift exchange.

Safety Check Needed

NEWARK, DE — Parents child-proof their home regularly, but friends and family members who have no children around may not think about these safety measures. Plan ahead when making a visit away from home.

To ensure your child's safety in someone else's home, ask your friends and relatives to help you take precautions during the stay. Check for these hazards:

- Medicines left on a kitchen window sill, placed on top of a table or dresser in grandmother's room, left in mother's handbag, stored in the refrigerator or on food cabinet shelves and left on a coffee table.
- Turpentine left on top of a workshop bench by a do-it-yourselfer.
- Lubricating oil stored on the bottom shelf of a closet.
- Furniture polish left on the dining table when the telephone rang.
- Cleaners, polishes, chemicals and flammable liquids left on a washing machine, on the bottom shelf of a cabinet, stored under the sink, and left on the floor when someone rang the doorbell.
- Boiling water in a pot whose handle was jutting over the range edge.
- Coffee pot on a counter within reach of child sitting in a high chair.
- Low window ledges and unguarded open windows reachable to a small child.
- Matches left within easy reach.

There are many reachables in every home but especially those where there are no little children. When visiting during the holiday season or entertaining at your house, be especially conscious of the reachable that could cause an unfortunate accident.

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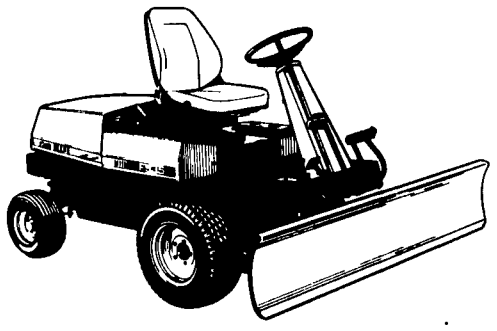

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JD 3020 diesel, turbo, power shift, N/F tractor $7500. 16 ft. flatbed gooseneck trailer, like new $5000. Clearfield Co. 814-263-4997.

7 yr. old Morgan, sound, broke to ride or drive. Samuel L. Beiler, 1600 Noble Rd, Kirkwood, Pa. 17536.

Walker gelding 15 BH 14 yrs., dark bay quiet for anyone to ride, will deliver for Xmas $800. 814-448-2821 Huntingdon Co.

7 ft. Meyer's snow plow with frame, no lift $95 Lanc. Co. 215-445-5359.

1 open buggy $750 pair condition, 1 bird pest control new in box 80 00 will deliver within A S. Zook RD 2 Box 157, Delta, Pa. 17314.

1979 F250 Ford pickup 4WD, lockots, 4 sp., 460 engine, heavy duty hitch with electric brakes outlet. Sharp! Leb. Co. 717-865-4645.

Aermotor 8 cycle windmill motor call after 6:00 evenings. Luzerne Co. for $750. 717-675-1276.

Miller portable gas welder, AC-DC welding 300A-AC 225A-D $350. Steve L. Myers, R1 Box 208E, Thomasville, PA 17364.

MF 160 bu. spreader single beater, nice condition. Farm to farm cattle trailer, dual wheels, high racks, ramp gate. Ches. Co. Chester R. Lewis, 315 Saginaw Rd., Lincoln Univers, Pa. 19352

JD 16" 3 bt. rollover plow $1050; Bushog 18' hyd. wing disc $1950; 3PT Lely roterra $800; 560 Long d. $1800. 215-944-7529.

Calf kennels with or without feed entry treated 2x4 & 2x6 for posts & skids 4x8 pens, 1x6 pens. Enos B Stoltzfus, Christiana, PA

1991 W.W. 3 or 4 horse slant load trailer w/walk-in tack comp. Used less than 1000 mi. Luz. Co. 717-379-3217 after 5PM.

Holstein cow due in Jan. 6"x6" pole barn posts any length $1.25 running ft. sowed from light poles treated fence posts $3.50. 717-597-4494.

Drott skid shovel complete with hydraulic pump & cylinders in good cond. $350 OBO Aaron S King, 155 Herr Rd, Ronks, PA 17572.

Registered shorthorn bull 21 mo old polled solid red Franklin Co 717-328-2423.

Purebred service age Holstein bulls from dams w/ records to 30,000M & 1150F scored EX & VG wormed, shots ready to go 717-328-5487 or 597-3770

'47 Ford 9N rebuilt engine, good rubber, $2500, some attachments. Hudson, NY 518-799-3195 6 30-9 30PM.

Jersey cows, due Jan. thru March, good for dairy herd or family cows. Juniata Co. 717-436-8790.

NH 311 & 273 baler, also engine mounts, steel wheels, bale chutes & gas tanks for balers, John Beiler, 41 Slaymaker Hill Rd., Kinzer, Pa. 17535.

1969 Mercury convertible XR7 good cond., Bedford Co Glenn D Stair, RR 1 Box 439, Hyndman, Pa 15545

5 HP Quincy air compressor rebuilt $700, 19" Grissly table saw w/air motor $450, Grissly drill press $185 Lloyd J. Stoltzfoos, 461 White Horse Rd., Gap, Pa 17527.

Rabbit equipment, 5 feeders, 6 nesting boxes, water system for 12 rabbits, 2 pens, 3'x2'x16". 215-445-5503 call between 5 & 8.

Blue Merle male Australian shepherd pup, shots, wormed working lines, from good tempered parents, standing 2 studs merle, red. Lanc. Co. 717-399-3090.

Firewood split seasoned hardwoods pickup loads, $60, delivered or $55.00 you pick up. Leb. Co. 215-267-5886 or 717-949-3129.

Spotted fallow buck, ruffed grouse, barbado sheep, & small birds love birds, finches. Franklin Co. 717-264-4395.

Cove moulding picture frame moulding thickness sander hand fed on stand cherry plate rail good price. Leb. Co. 717-866-6877.

Reg. baby Vietnamese pot bellied pigs, baby captive born corn snakes. 717-733-2425. Lloyd E. Gerhart, PO Box 474, Ephrata, Pa. 17522.

Drag net chain for NH 327 spreader. Cumber. Co. 717-776-6238.

AKC reg. miniature Schnauzer puppies from silver parents ears cropped, tails docked, shots & wormed. North'd. Co. 717-286-1024.

Calf hutches, $60, calf kennel, $395, triple bale box $150. Lanc. Co. Roy Fisher, 90 Hess Rd., Quarryville Pa. 17566.

Cooler doors 5'x11' garage doors 9'x9' good cond., reasonable offer accepted. Lanc. Co Amos Zook, 839 May Post Office Rd, Strasburg, Pa. 17579. 717-687-0689

Hay call between 3 p.m. & 6 p.m. 717-865-2911.

300 lb butcher hogs ready immediately. Aaron E. Stoltzfus, RR 1 Box 3081 Old Phila. Pike, Bird In Hand, Pa 17505.

Farmall 560 tractor w/wide front fast hitch, JD 60 w/ wide front 3 pt. power steering, 9N Ford tractor. Juniata Co. 717-694-3360.

6 air pruners, good cond., $400 all. Franklin Co. 717-369-2719 after 4 p.m.

62 Scout w/plow $325, Super C cult., $350, IH sickle bar mowr $450, bushel crates $2.50, drag shovel $100. Lanc. Co. 717-872-5263

Building lot can be subdivided 11½ acres. Denver/ Schoeneck area, road frontage $120. P. Snavely, Lanc. Co. 717-397-3571 call anytime.

Church building 6500 sq. ft. 130 capacity Sunday school rooms office, basement oil hot water, baseboard heat, excel. cond. Leb. Co. 717-865-5370.

AC CA tractor, 1979 Toyota clutch & pressure plate, new, 6 cyl. AMC 258, runs good. Sch. Co. 717-754-7186.

32' Zimmerman elevator w/1 HP motor, $1200. Leb. Co. 717-274-8624

3rd & 4th cutting alfalfa hay no rain. Benuel M. Fisher, 722A Peters Rd., New Holland, PA 17557. 3 mi. S of New Holland.

86 Fiero new clutch $3200, 68 Camaro runs inter. body good 283 eng. need work. Cumb. Co. 717-776-3687.

1948 Cadillac 75 series Fleetwood 4 dr. V8 auto not running needs work $900 OBO. Bucks Co. 215-752-2405.

Silver Flash ice skate sharpening machine $125. 1983 Ford work van needs work $875. Snow blowers $35-$175. Clinton, NJ. 908-236-2297.

8' snow plow heavy duty for farm tractors $250. 908-689-3098.

Int. 715 3RN 13G good runner, Oliver 3X plow Cat 1 3PT, Int. 14' disc, 744 CH 815, Int. 13' GH 403. 412-533-5433 eves.

5 mo. old Holstein bull sire: Vanguard, dam: VG88 w/18,000M 5.0% fat, granddam: EX91 w/24,000M 5.4%. Chester Co. 215-942-3873.

Single trees 1-8 hitches, yokes, pokers, cup and pot hangers, weaner roasters, ice scrapers, shoe scrapers. Chester Co. 215-273-2112.

JD 450 crawler loader ROPS, good cond. $9500. or will trade for 40-50 hp skid loader. Centre Co. Leave Message 814-231-7143.

International 3616 diesel industrial loader tractor with 3 point, PTO, drawbar, and backhoe $5,600 JD 2020 gas 4,600. Juniata Co. 717-694-3888.

White 5400 air planter 4 row, dry fertilizer, monitor $1100. Tractor chains fits 15.5/38, 16.9/38, 18.4/38 double loop $150. Lanc. Co. 717-872-8572.

Hay 2nd and 3rd cuttings. Mostly alfalfa and real nice. Sch. Co. near Tamaqua 717-467-2609 after 6 p.m.

1976 VW Rabbit 2 door 4 speed mechanically excellent, whole car only $500 or engine-transmission BO. 215-536-4529 evenings. Bucks Co.

Used steel building, 10,000 bushel grain bin, sidewall sheets all gauges & sizes. Berks Co. 717-933-8287.

Capons live or dressed corn fodder, old boards 1' wide, 1" thick. Also wanted 12' disc. 717-768-8359.

Oak firewood cut & split $40 pickup truck load. 717-284-2764.

EFM coal stoker boiler new parts & controls like new cond., $1,600, also quality coal delivered, all sizes. Sch. Co. 717-345-8149.

1986 Husquevarna 510 enduro 4 stroke, new top end 4 valve single cyl. serious riders only $1600 OBO. Leb. Co. 717-274-5146.

Mini Sicilian donkies, 6 mths. to 1½ yrs., greys, blacks, & browns, 26" to 34" gentle, cute X-mas gifts $500 & up. Berks Co. 215-582-4434.

Cults. & sickle bar mower for Super C, nice, Ford van, Scout w/plow, drag shovel, bushel crates. Col. Co. 717-672-2638.

Australian shephard puppies ready for Christmas real cute Merles or solids. Berks Co. 215-944-6007, phone anytime.,

74 Jeep C35 w/Myers power angle plow $1,100, antique brass bed $500, Honda motorscooter new $800. Morris Co. 908-766-5530 after 6.

Big warm morning coal stove, small Ashley wood stove, oil hot air furnace, Myers sub pump (elect.) new in June. Amos N. Stoltzfus, RR 2 Box 29-B, Millersburg, Pa. 17061.

Alfalfa hay 1990 crop $100 ton, JD flail chopper, good for corn stocks $100. Wanted small pony. Col. Co. 717-925-6607.

Vertical milling machine w/3" boring head clamp block set & assorted cutters, some new $1500 OBO. Lanc. Co. 215-267-1179.

7 yr. black standard family horse, coming 4 yd. bay standard need rd. 16 hands. Lanc. Co. Daniel S. Stoltzfus, 413 Cains Rd., Gap, Pa. 17527.

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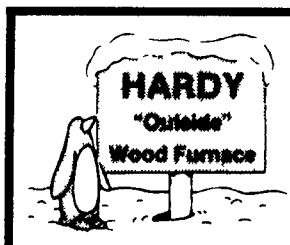

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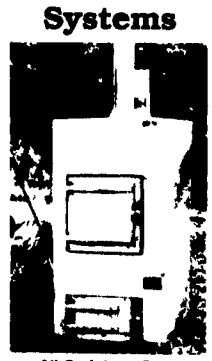

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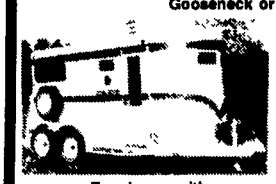

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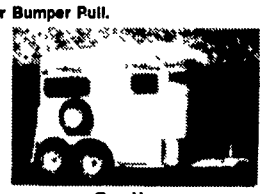

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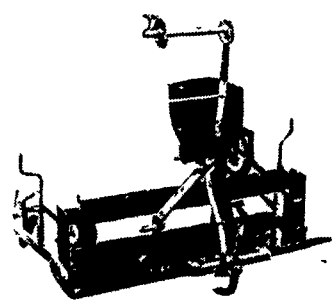
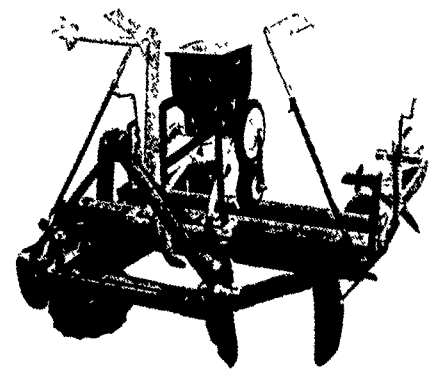
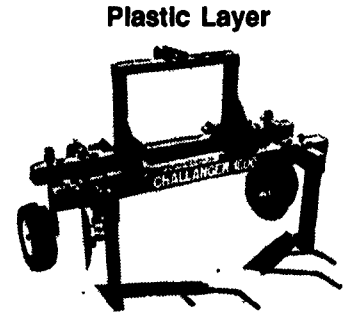


Flat Bed Model 560 Plastic Layer



Raised Bed Model 2500 Plastic Layer

Model 1400 Water Wheel Transplanter



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Ford 9N w/front loader & 3 pt. backhoe $3500, Chevy T-350 transmission $50. Berks Co. 717-933-8275.

Fireplace insert woodstove, never used, $375 Juniata Co. can deliver to Lanc. Co. 717-734-3145.

Sunflower seeds cleaned & bagged, wood burning stove w/water jacket, MF 4 btm. plow. North'd. Co. 717-672-9740.

MF 750 hydro $12,000, #63C in very good cond. $3500. 18.4x30 tractot tine 50%+ tread $150, 77 pickup $895. Lanc. Co. 717-653-8703.

1963 Int. truck 26,000 GVW 18' flatbed 5+2 good shape $500. one 900-20 truck tire 90% $85.00. Columbia Co. 717-356-7612.

Registered pygmy goats yearlings, one buck, and one doe, make nice pets. York Co. 717-235-2470 between 7-9 pm.

Linseed oil (boiled) 55 gal. drum cost $432.00, sell for $250. Lanc. Co. 717-393-7436.

'48 Studebaker parts or restore complete motor free 6 cyl. w/o drive $350. Late John Deere H starter & lites, motor free. Bucks Co. 215-847-5907.

English Springer spaniel Christmas puppies b/w l/w shots wormed, great desposition parents and grandparents on farm. Leb. Co. 717-867-2071.

1988 Yamaha big bear 350 cc hi-lo rev 4 WD elect. start, nice shape $2700 OBO. Burl. Co. 609-859-1470 leave message.

Belgium stud colt with full blaze, white mane and tail, yearling but will get big, also bred heifers. Emanuel K. Beiler, 113-A Greentree Rd., Quarryvilole, PA 17566.

1984 Drop-deck army trailer, deck 25 ft. long, ex cond. $1950. 717-369-4158 call evenings or mornings.

Three row John Deere 300 corn picker $5000 OBO Hydraulic lift to lift engines $400. Leb. Co. 717-866-4601.

Quick-attach loader and loader frame with valve for White utility tractor $1200 OBO. Franklin Co. 717-532-9234.

JD 3940 forage harvester with electric controls, very good cond., one pair of fenders for JD 4240. Lanc. Co. 717-354-9152.

Shop or contractors heaters, 150,000 BTU LP gas, Universal magic heat 100,000 BTU oil fired. $150 ea. after 6 p.m. 410-398-7680.

Small gas air comp. $150. 35 CFM Schram comp $450. 475 Bantam hyd. exc. $3750. Rollers & front idlers HD6, 5 yd. dump body $400. Cecil Co. 410-378-2785.

100 bale straw $1.00 bale, 600 9x18 roof slate, make offer, NH 33 flail chopper for parts $25. Lanc. Co. 717-664-2060.

8N Ford new tires, new paint $1950. Cumb. Co. 717-532-6367, no Sunday calls.

Hillsboro gooseneck trailer hitch $100. 42" snowblower for Massey Ferguson or Snapper garden tractor, never used $100. Can deliver. 814-364-9333.

Virginian wood-burning stove, ex. condition '78 Olds Cutlass Calais V6, automatic, sunroof, nice car, runs good. Lanc Co. 717-665-5848.

One female cocker spaniel, full-grown. Schuylkill Co. 717-345-4460

Min. Sicilian donkey jack 34" 2 yrs., sire brown, papers $600. Reg. Rambouillet triplet ram 6 yrs $125 Carroll Co. 410-239-4386

Ferguson T20 tractor, new tires, battery, belt, pulley, lights just overhauled, real nice $1,800. Franklin Co. 717-264-4555.

Railroad ties for landscaping, driveways, raised garden beds, parking lots, borders, edging, building timbers, bridging, cribbing, support timbers. Lycoming Co. 717-584-2928.

Peafowl (peacocks) pairs 1990, 1991 blue, pairs 1991 pied & white. Richard E. Burger, Newark, DE. 302-994-0508.

1989 HDF250 4x4 351 V8 air 8600 GVW 58,000 mi 4500# front axle excel cond, 11,800 Berks Co 215-340-9989 leave message

Manure bucket, for Saunder loader $40, 85 gal water fountains (float type) $75 ea. Albert L Liebno Sr., Bear Creek Farm, 2311 Bear Run Rd., Taneytown, Md. 21787.

Farmall 300 for parts, 2 pt hitch, transmission, rear & wheels $100, snow fence $8 per roll Montg Co 215-754-7012

Corn silage in ag bag app 300 tons $24/ton. Del. avail. Adams Co 301-346-7036

Pa honey clover tulip popular cherry/rasp. goldenrod bees wax call Rainbow Apiaries, 668 Turkey Hill Rd., East Earl, Pa. 17519. Lanc. Co. 215-445-6674.

Char Lyn hyd. motors-wheel chains for Allis WD-45 & wghts, 6 cyl. 240 Ford engine. York Co. 717-927-6967

JD 4520 completely rebuilt 28' Zook manure conveyor dynamic health booster Swedish pollen extract Dale Geary, R#1, Fairhope, Pa 15538. 814-267-3163.

2 yr Pal colt, thoroughbred mare rides, drives, stalls for rent, close to trails indoor arena, we show & drive E-town. 717-367-2788.

Elect. meat slicer belt driven auto sharpener, good cond., $160, 6 qt. ice cream freezer hand crank $65. Lanc Co. 215-267-7049.

Trailer for ditch witch, snowmobile, skid steer excel. cond., tilts $800, snow blades for most lawn & garden tractors $50 to $150. 215-358-0725.

Approved country lot in Farmersville, also 1986 F-150 supercab XLT 50,000 miles excel. cond. Lanc. Co. 717-738-1742

NH 456 pull-type sickle mower, same as new $1900, JD KBA 20 disc rebuilt-like new, $950 Lanc. Co. 717-687-0102.

Real Estate Somerset Co.: Adjacent game lands, 48 acres previously golf course, 24'x40' building, acre pond, spring, some woods, breathtaking view. 412-884-3270.

JD model R w/rebuilt pony motor, painted, ready to show $4500. Rockingham Co. Va. 703-896-3893.

Antique buggy, paint pony 13 H+ harness, will not separate outfit $1500, all in top cond York Co 717-292-4444.

Oats, straw $65 per ton at farm, Dodge slant 6 engine, make an offer Berks Co 215-693-5375

Approx. 100 bd ft chestnut boards, also 20' to 30' old barn timber cult fits Farmall 350, $50. Lanc Co. 215-445-6306

Oliver 1655 diesel tractor runs good $4000 neg. Adams Co 717-334-4830.

1987 F-250 4x4 diesel pickup EL package very good cond, also 2 paint mares very gentle. Adams Co. 717-677-7616.

20 red sex link pullets starting to lay any time $3.50 ea. Jacob Lapp, 1595 Noble Rd., Kirkwood, Pa 17536.

1 hole corn sheller good shape, $50 717-665-4198

Purebred romney sheep, reg, 12 ewes, 3 lambs, 2 rams, bred for Feb lambs Lanc. Co 215-593-6876

Black simmental bull calf born Feb. 91, 1000 lbs + $900. Balt. Co 301-833-0153

Guernsey family cow young due Jan. Lanc. Co. Lloyd H. Martin, 1075 Red Run Rd., New Holland, Pa 17557.

2 gun cabinets, 1 oak 8 gun $300, 1 maple 10 gun $350 both excel. shape. maple cabinet lights up. Chester Co. Bill Werner, Box 167K Leaman Rd., Cochranville, Pa. 19330. 215-932-3139.

1980 Buick Century black, high miles, good shape, Chevy pickup tailgate, 74 F250 Ford for parts cab, ok. Leb. Co. 717-949-3847.

Tennessee walking horse gelding 7 yrs. old palamino, 15.2h. good quiet trail horse but has some snap. Perry Co. 717-582-7831.

Flexible pipe cleaning machine w/cutting heads, 16 HP elec. start, $1100, HD extendable crane on 10 diesel truck, needs hydrolics, $1800 OBO. Lanc. Co. 717-367-0338.

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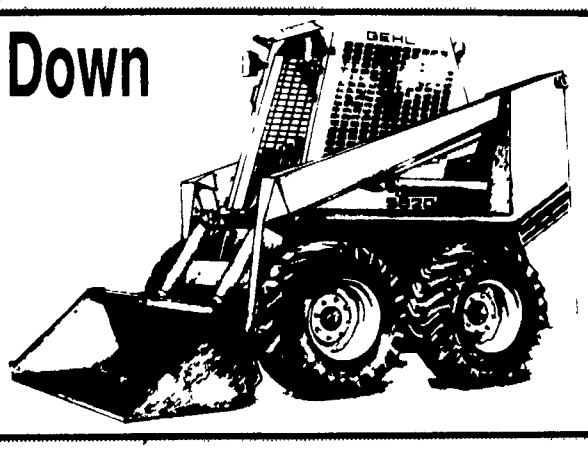
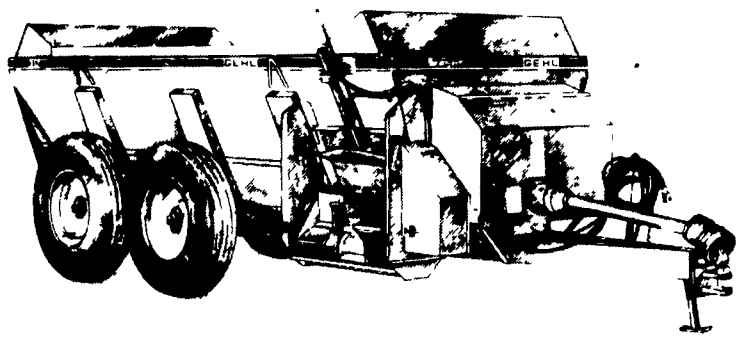


North America's #1-Selling V-Tank Spreader



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- **Variflo discharge** - Spreads smoothly and evenly for complete application control
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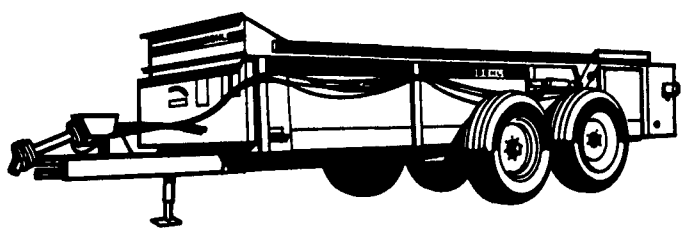

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13 6x26 Firestones on AC D 14 or D-15 power shift rims w/calcium, 75% tread, $400. Lanc Co 717-684-5846

1986 Cadillac sedan Deville very good cond, as clean as they come 717 755-6929

52 gal water heater used less than 1 yr $125 Wanted- good used NH elevator prefer 32' North'd Co 717-758-2136.

NH #33 flail chopper, good cond., $900, 6 JD 16" 3 bolt plow shares $25. Southern York Co. 717-235-6733

3 Angus Simmental cross steers 500 lbs. 95¢. Bucks Co. 215-968-2649 anytime- welcome to look.

AC model B w/sickle mower, plow $650 OBO, David Bradley w/equip. whole package or separate Bucks Co. 215-678-8353.

1981 Chev Impala 4 door V-8 diesel new inspect runs good. Berks Co 215-678-8353.

Holstein cow w/3rd calf, $950, (8) Angus steers about 500 lbs., 90¢ Berks Co 215-286-5422.

Portable debarker on wheels carboly cutters uses 4 cyl. engine $500 or best offer. Franklin Co 717-762-7777

Leopard Appaloosa pony mare 11 2h exceptionally gentle, started over fences, other horses & ponies for sale or lease Ches Co 215-436-8966.

IH 313 high clearance 14" plow fast hitch 3 btm., $250. Fred Co. 301-834-8662

New Pinto for NI 205 207-210 spreader $100, 6 mth. old, 100 gal. gas water heater $100, 275 gal. fuel tank rotary pump. 215-682-4699.

JD black hyd. cyl. w/hoses field ready $95. York Co. 717-235-2032.

Puppies English springer spaniels AKC liver & white shots ready to go Feb. 1st. Bucks Co. ask for Brandon 215-536-0356.

Int'l. 91 S.P. combine minor repairs needed, (19) wrapped large round bales rye straw. Snyder Co. 717-374-4018.

Caterpillar D2 dozer, good engine tracks & sprockets $1400 OBO. Northampton Co. 215-250-8716.

JD B unstyled spoke wheels $1250, JD 420, 430 fuel tank new $50. Carbon Co. 215-377-2909.

Ear corn approx. 20 ton $100 per ton 500 BU feed oats $2 50 per BU. Franklin Co 717-349-2464.

1954 Studebaker champion 35,000 orig miles, newly painted, chromed, orig tires Bucks Co Call John at 215-322-5875

82 Intl 466 engine 1850 22' steel flatbed 5 spd, also 9' dump body complete w/ PTO & hoist York Co. 717-432-4598 after 6 p.m.

AC 175D tractor w/rope & canopy roof very good cond, 2 hay wagons w/ telescope tongs, 14' MF No. 52 transport disc, best offer on all. Snyder Co. 717-539-2558 eves.

1966 Chevy 1 ton dump $1,000. Garrett Co. Md. 301-245-4420.

Logan metal lathe, wood lathe, metal spinning lathe, clausing drill press, printing press w/type A A. Co. Md. 410-255-1951.

Several thousand bales of very good early cut mixed hay no rain, $80 per ton Crawford Co. 814-694-2500.

Wheels w/tires- fit Ontario grain drills, old style high $50. Cambria Co. 814-472-8068.

Antique carriage wheels-pair 41" w/axle, $165, carriage seat, $45, spinning wheel- signed working, $285, sausage press, $65. 908-496-4623.

Whitetail deer adults & yearlings, also taking orders for spring fawns. Cecil Co. Md. 301-658-4213

20" Toro snowblower, $100 4- 13" alum. mag wheels w/ tires, 4-lug, $100. Lanc. Co. 215-445-6841 after 4:30 p.m.

4 yr. old saddlebred safe & sound, ready for trips snap & style. Omar Fisher, 434 Newport Rd., Ronks, Pa. 17572.

MF 1030 26 HP diesel Ag tires 2WD 175 hrs., w/MF 1050 5' mower new cond., $6000. Gloucester Co. 609-467-0870.

200 gal. field sprayer new $1,050, 5000 lb. forklift $950. Lanc. Co. 717-354-0595.

Jenny's two 2-yr.-old 1 coming, 2 in spring call: Donald Lee Parrott, 804-985-2398, Ruckersville, Va. 22968. Greene Co.

Trailer loads sawdust & high moisture corn, delivered. Tioga Co. 717-724-1116 or 717-724-1946.

Model 50 Millcreek manure spreader, Shenandoah 4 door pig feeder. 215-926-4589 leave message.

1965 GMC dump 21,000# 300 miles on motor call after 5 p.m. Berks Co. 215-286-5824.

Warm morning stove model 400 $275 or best offer. Melvin K. Zook, 12 William Run Rd., Christiana, Pa. 17509.

Approx. 100 pullets 20 wks. old mostly brown leghorns some crosses, $3.00 ea. Lanc. Co. 215-445-4605.

1 pair rear tractor tires: 16.9x28 Firestone 8 ply, 50% tread, super buy at $100 for the pair. Lanc. Co. 717-626-8912.

Cheap TV dish, Corvair parts, portable air compressor, 2 burner Kero stove, 6 HP snow blower, hand truck, engine wagon 215-944-7858

NH #492 haybine new loaded $8000, IH #720 plow 5 btm. 18" $3250 Berks Co. 717-933-8134.

JDB 1938 new paint & tires, looks & runs great, $2500 Upper Chester Co. 215-469-9094.

AC B power unit good running cond., steel farm gates, all sizes. Chester Co. Omar S. Kauffman, RR 2, Honey Brook, Pa. 19344.

Alum. sheeting 3' by 18' long used mushroom lumber. 215-932-3324.

2 identical horse 4 bar hay rakes, horse Case sickle mower, new cond. Emery Paddock, R#2 Box 172, Connellsville, Pa. 15425 Fayette Co.

2- Two horse wagons r/ tires & h/wheeled, $700, $1250, MF 3 pt. mower $700. Indiana Co 412-254-4903

Storm front carriage, fiberglass body, hydrolic brake, good cond, 12 volt lights Sylvan K. Fisher, 180 South Groffdale Rd, Leola, Pa. 17540.

Wood burning stove, free standing, used 1 season first $225 takes it. Also wide large tooth 2 man saws. Berks Co. 215-682-2011.

TB Broodmare 8 yr. grand daughter of nice dancer champ, 3 yr. Canada $1,000 B/O. Hunter. Co. 908-782-6162.

Hay timothy clover mix can deliver within range average. Carbon Co. 717-386-5413.

Bred ewes 12 head 1 suffolk ram ½ are yearlings, 1 new lamb $1000 firm. Scott Strosnider, Winchester, Va 703-869-6187.

Kidd big bale chopper model 7-16 w/side & blower discharge like new. Somerset Co. 814-445-6369 after 7:30 p.m.

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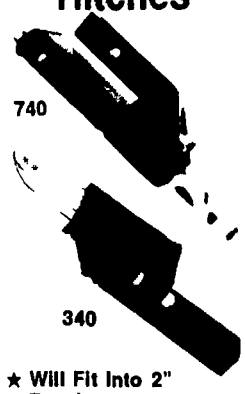

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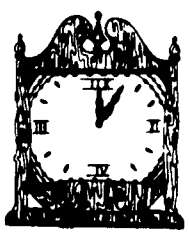

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Mascot wood fired hot water boiler, main or add-on heat, new cost $900, your cost $300 OBO. York Co. 717-428-0118.

7040 AC tractor good rubber cab air power shift 200AC tractor WF std. shift 73 Mack R model twin screw wetline. Lanc. Co. 717-529-2204.

6 yr. standard 100% traffic safe & sound anyone can drive papers 16.1 trotter $875. Chester Co. 215-273-2290.

Sex Sal pullets laying. Montg. Co. 215-754-7073.

1967 Chevy II coupe V8 4-spd. PS PB, many extras 1987 Jeep pickup wrecked front end damage. Bucks Co. 215-257-6199.

Platform scales, mechanical beam, 1000-8000 lbs. build to size for you, length or width. Lanc. Co. 717-354-6235.

1980 Silverado, 4x4 4 spd., 1 ton dually, AC, AM-FM 350 eng., new 9½ ' bed w/ trailer hitch exc., $4975, dual axle tri. w/ramps for skidsteer 12,000 GVW, $1450. Adams Co. 717-677-6630.

Snow blower, Cub Cadet, 42", very good cond. Carroll Co. 301-756-2710.

12 Charolais steers weaned & started on grain approx. 600 lb. @ .85 lb. Sch. Co. 717-345-4489.

Sheltie puppies AKC Stevie S. Miller, 64-A Christiana Pike, Christiana, Pa. 17509. Lanc. Co. 1st farm left west of Christiana Route 377.

Gravely equipment 2"L" model walk behinds 30" mower, 40" finish mower, sickle bar, 2 sulkies. Bucks Co. 215-295-0682.

Centre Co. 31' tie brook all alum. dump trailer roll tarp lowboy trailer. 814-422-8230.

AKC Sheltie pups, nice markings, shots & wormed, $150. 324 S. Bonsall Sch. Rd., Coatesville, PA 19320. John Allgyer.

Cat 951C excel. cond., $20,500, new chains, 14" pads for TD8E $1500, used chains 951C, 955HK&L D8K. Somerset, N.J. 908-722-5399.

3' ball python, female, large heat rock, 30 gal. aquarium tree, $150, also mice, antique grain cleaner. Leb. Co. 717-273-3823.

1982 Plymouth Turismo 2 dr. 4 spd. new tires, runs good, 80,000 miles, $1495. Lanc. Co. 717-367-3049.

Case 800 dozer for repair or parts $800, Ford 2 row cult. $200. Carbon Co. 717-427-4052.

Hoyer hyd. lift for lifting patient in/out of bed, excel cond., can transport in car, $675. Union Co. 717-524-4856.

1 standardbred horse coming 3 yr. old $600, 1 saddlebred horse coming 4 yr. old, $750, traffic safe & sound. Lanc. Co. 717-733-6825.

4020 JD power shift runs good, $5,000. Lanc. Co. 717-665-4239.

Owatonna 1000 Mustang for parts or repair 1978 5.7 Chevy diesel engine parts. 717-966-3965.

Hereford calves 1- heifer, 1- bull .85/lb., JD 3 pth. sickle bar 7' good cond., $200. Chester Co. 1-215-268-3258.

4 feeder simmental & charolais crossed, simmental bull all 30-500 lbs. NI 214 manure spreader 3 beater. Wanted: 6' flail chopper. Schuyl. Co. 717-345-8815.

8' AC disc $150, 3 pt. fert. spreader, $295, NH 477 haybine good rolls $1985, NH pitmanless mower, $995, NH 518 PTO manure spreader $700, MH 33 pt. tractor $650. 717-354-0266.

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Salvage to wide attic flooring; old log houses & farm houses; large grist mills. 717-334-0249 7-9PM.

Florida rental, furnished, for February for 2 adults over 60. Mobile home, apt. or other. 717-264-1462.

Ear corn by the ton from unsprayed fields, no pesticides or herbicides. Berks Co. 717-933-4385 or 933-5036.

Need MH Continental manifold 22¼ from top end bolts. 7½ " from carburetor base up to bolt in manifold center. Shen. Co., Va. 703-984-8374.

For 76 Lilliston rotary cutter, need right hand side (of 3 cutter) vertical shaft or whole shaft & bearing, housing. Lehigh Co. 215-298-2451.

Fenders for 801 tractor good, 1 tailgate for 1968 ¾ ton Chev. truck. York Co. 717-252-2455.

Southbend lathe operator manual 9"x36" & taper attachment pts. York Co. 717-764-2038 eves. & weekends.

Goodyear 13-28 tractor tire, parts especially rims for Oliver 60 & 70, front wheel weight for IH Super C. Lanc. Co. 717-684-5352.

Used metal round or square hay feeders. Bucks Co. 215-968-2649 anytime.

Silage wagon in good condition; prefer JD 714, 716 or A's or Miller 4100 or H&S or Gehl. Adams Co 717-334-8890.

New or used blades for Aeromotor 8' windmill. 814-542-4807 or write: Ed Craig Jr., PO Box 121, Newton Hamilton, PA 17075.

$100-up, trade for NJ crocks, jugs or blue decorated stoneware in good cond., NJ postcards, adv Henry Cross, 397 Hwy. 79, Morganville, NJ 07751.

Farmall regular or F20 steel wheels or parts tractor, JD H parts tractor, Maytag gas engines or parts. Ben J. Kinsinger, Meyersdale, PA.

Used milk porter sputnic. Lanc. Co. Levi F. Stoltzfus, 79 Ridge Rd., Christiana, Pa. 17536.

Metal lathe, small or hobby-type, reply to Martin C. Rishel, RD 1, Box 82, Spring Mills, PA 16875. 814-364-9333 evenings.

Used wooden kitchen cabinets and used double pane windows. Daniel M. Beiler, 624 Willow Rd., Lancaster, PA 17601.

Propane gas tank 500 gal. or larger, also Magic Ray or flameless piggy heaters. Lanc. Co. 215-445-7101.

Trailer plow with 3 16" bottoms. Also metal pipes or tubing to make hoopes for greenhouse. 717-486-7194.

3 point hitch and wide front-end for JD 50 tractor Fauquier Co. Va 703-788-9606.

John Deere #243 corn head. Lanc. Co. 717-367-3234.

12 or 13 ft. kitchen cabinet, formica top, good cond no L-shape. John D Martin, 540 South Fairmount Road, Ephrata, PA 17522.

Case SC for parts, power steering unit for JD 50. Mont Co. 301-253-4271.

Air compressor, 40 gal. 5 Hp elec. or larger. Write R. Abt., 145 Cedar Rd., Bangor, PA 18013-9526

Goats: need a few large females, bred or with kids. Balto. Co. 410-823-2640. Also need 5 HP outboard motor.

Old Allis Chalmers and Cockshutt tractors for parts or repair. Garden seeder for Simplicity Garden tractor 3 pt. hitch. Hunterdon Co. 908-735-8497.

Depth wheel for JD 3 pt. plow, front wheels for JD model 70 tractor. Lanc. Co. 717-684-3644.

Harley Davidson motorcycles, pre-1980 panheads, shovel head, wideglide, superglide, original equip. no choppers. Chester Co. Evening 215-932-5761.

Overhead door-wooden or insulated, no track 10 ft. W, 8 ft. H. Elam E. Lapp, 18 Shady Rd., Christiana, PA 17509. Lanc. Co.

JD 2520 tractor prefer power shift any cond. Lanc. Co. 215-445-5734.

20 acre m/l farmette near Manheim will consider buildable bare ground. Luz. Co. 717-388-2341 eves

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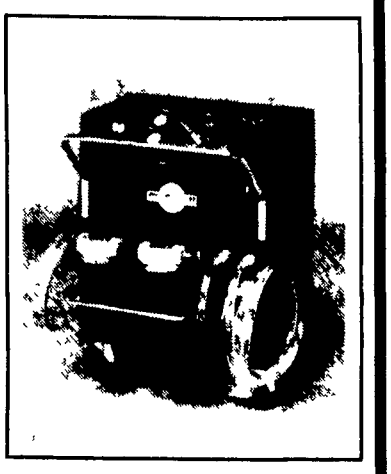

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Used La Shiro or Itasca phasar mini-winnie motor home. Snyder Co. 717-837-0265.

Investor seeks farms in Lanc. & Chester Counties. Equity partnerships & various plans to suit your needs. Bill Hirst. 215-345-0946

Ford 4 cyl. power unit w/ clutch, can have bad engine, call Carl Hoover, Lanc. Co. 215-445-6345.

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Will person who stopped about bagels please call. Also wanted: cheap PTO hammer mill. Manheim, Lanc. Co. 717-665-5728.

Accounting services and tax return preparation. Work can be performed in your home. Serving Pa. & Md Call John 410-3, -4481.

Chincoteague rental, new lighthouse view. Delaware Co. 215-459-5733.

Free for taking down 10x40 Unadilla silo with fill pipe ladder and chute. Berks Co. 215-562-3116.

Attention handspinners finest quality mohair raw $8/lb. postpaid. Clearwater Revival Farm, RR3 Box 2426, Allentown, NJ 08501.

For Rent 88-A modern dairy farm in Salisbury Township, 4 bdrm. house oil hot water heat. Lanc. Co. 717-768-3676.

Planing to have 2. #9 Mc. mowers at Kirkwood Repair's Sale, Jan. 3, 1. 7' cut trailer gear, 1. 6' reg. gear both rebuilt like new. Ben L. Peachey, HC61 Box 221, Allensville, Pa. 17002.

Found, paraket at Paradise Mennonite School. It is in good care. Wash. Co. Md. 301-733-1368 8:30-3:30.

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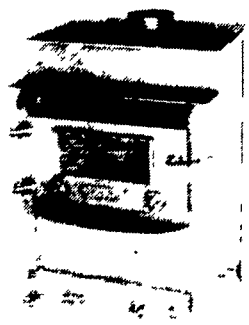

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Sale Reports

GOCKLEY SALE

A Public Auction of a farmette was held December 14 by Galen R. and Donna D. Gockley, Weidman Road, Newmanstown, Lebanon Co., Pa.

The 7 acres was sold for $116,000 to Steve and Fay Weaver of Narvon, Pa.

Paul E. and Aaron E. Martin were the auctioneers.

CONSIGNMENT SALE

A Public Auction of toys and furniture was held December 12 at the Mt. Pleasant Mills Fire Dept. Social Hall, Mt. Pleasant Mills, Pa. in Snyder Co.

Some prices included: marble top stand $75, piano stool $32.50, drop leaf table $140, TRR plate $22.50, Twin Cedar dairy bottle $47.50, and Carters ink eraser in box $35.

The following toys were sold: tin Marx 24 hour Service Station $50, Donald Duck pull toy $230, tin Pinochio windup toy $120, toy Arcade fire truck $700, Speed Boy racer $200, windup Popeye $220 and box of noisemakers $25.

Kenneth E. Hassinger and Neil A. Courtney were the auctioneers.

GROFF SALE

A Public Sale of real estate was held December 14 by Lester W. and Florence Groff, 1289 Red Run Road, East Cocalico Twp., Lancaster Co., Pa.

The property included a brick house with a 28'x40' masonry garage and workshop on 10 acres of land. It was sold for $136,000 to Henry and Rachel VanZee of Narvon, Pa.

The auctioneers were T. Glenn, Timothy G. and Thomas A. Horst.

HAMMERS ESTATE SALE

A Public Auction furniture and household goods was held December 14 for the estate of William Hammers, Jr., 35 Cottage Avenue, Lancaster, Pa. There were 155 registered bidders at the sale.

Some items sold were: aluminum ladder $65, two-wheel trailer $70, small Griswold skillet $65, book by Wallace Nutting $50, tin toy telephone truck $102, 2 rocking chairs $55 & $60, washstand $130, small drop-leaf table $65, painted dresser and washstand $270, maple dresser & bed $140, walnut chest of drawers $375, walnut slant-front desk $875 and blanket chest $475.

Miller & Siegrist were the auctioneers.

NOLT SALE

A Public Auction of a limestone soil farm was held December 11 by Donald E. and Marian R. Nolt and Ronald E. and Denise L. Nolt, 849 Temperance Hill Rd., Lititz, Lancaster Co., Pa.

The 56 acre farm with a 2½ story frame house, large bank barn, concrete silo, hog facilities and veal barn was sold to Daniel K. King of Smoketown for $431,000.

Paul E. Martin Auction Service conducted the sale.

DIENNER SALE

A Public Sale of mule drawn farm machinery, mules and Holstein heifers was held December 11 by Eli S. and Rachel L. Dienner, 4 miles east of Gap in Chester Co., Pa.

Some prices were: single mules $1750, $1675 & $1450, pairs of mules $2300 & $3675, heifers $490, $410 & $370, harness $130 & $110, bridle $50, Oliver 880D tractor $2500, A.C. D19 tractor $3625, feed cart $180, cutter $920, boom field sprayer $1175, N.H. 310 baler $3000, N.I. 323 corn picker $1275, plow $390, 16 h.p. engine & cylinder $300, cart for same $120, N.I. #17 manure spreader $925, plow $1100, Pequea tedder $900, N.H. 55 rake $500, motor $690, roller-packer $340, 7 ft. bar mower $1250 and calf hutches $70 & $100 each.

Steve Petersheim and Steve Jr. were the auctioneers.

LANDIS SALE

A Public Auction of an 80 acre Lancaster County farm was held December 9 by Amos P. Landis, 1150 East Oregon Road, Lititz, Pa.

The 80 acre farm in the agricultural zone in Manheim Township was purchased by the developer E. James Hogan for $840,000. The 80 acre farm has 53 transferable development rights which go with the property. The township and the Lancaster Farmland Trust announced they are in discussions to team up to preserve farms in the township by purchasing the transferable development rights.

E.M. Murry Associates managed the sale.

FORD SALE

A Public Sale of household goods was held December 14 by Samuel and Erma Ford, 1022 Main Street, Blue Ball, Lancaster Co., Pa. There were 250 registered bidders attending the sale.

Some prices received were: farm table $500, jelly cupboard $330, one-door cupboard $350, wooden bench $240, oak washstand $140, oak server $160, tin stovetop oven $95, small agate pail $50, copper wash boiler $170, cast iron tractor $100, kerosene railroad coach light $115, decorated stone crocks with blue marks $260 to $400 each, cowboy china cookie jar $65, pie board $55 and set with butcher ladle, spatula and fork $140.

The sale was conducted by T. Glenn, Timothy G. and Thomas A. Horst.

MILLER SALE

A Public Auction of real estate was held December 14 by Almeda O. Miller, 6 miles east of Halifax, Wayne Twp., Dauphin County, Pa.

The 153 acre farm in Powells Valley with a 2½ story frame house, 3 bay bank barn and frame garage was sold for $303,000.

The auctioneers were David Deibler and Edwin Shoop.

Public Auction Register

Closing Date Monday 5:00 P.M. of each week's publication

DEC.

SAT. DEC. 21 - 9AM, Country Real Estate, Personal Property, Tools, Guns, located Dark Hollow Rd., Hallam Twp., York Co., PA, Estate of John H. Dietz, Blaine & Nevin Rentzel, Aucts.

SAT. DEC. 21 - 9AM, Antique Farm Equip. & Parts of the Farmer J. B. Hostetter of Mt. Joy, PA, located rear of 33 W. Main St., Mt. Joy, PA, Clarence Hostetter, owner, Raymond Miller and Jim Hershey, Aucts.

PUBLIC SALE
THURSDAY, JANUARY 23, 1992
9:00 A.M.
Draft Horses - Farm Machinery - Holstein Herd - Milk Equipment - Produce Equipment & Supplies
Sale at farm in Lancaster County, Pa. 3 miles South East of Intercourse, 2 miles North of Gap, from 772 go South on Pequea Valley Rd. opposite Pequea Valley High School.
38 Head ***Holstein Herd 1:00 PM*** **38 Head**

Twenty five milk cows 12- 1st and 2nd calf heifers, 4 head fresh Dec. and Jan. Four percent butterfat Dec. 3.9 protein, 13 heifers 10 month to calves, 30 day charts - preg. checked.

Auct. Note: This is a young herd good type on udders- potential.

Barn - Milking Equipment

Girton 500 gal. tank, 2 DeLaval 50 pail milker units, extra 50 lb. pail, and 65 lb. pail, Surge vacuum pump. 3 Hp cooling compressor new pump, 3 carrying pails, 2- S.S. strainers, gas hot water heater, Bender unit washer, 3 carrying pails, 2 feed carts, 2 wheelbarrows, silage cart.

Feed

App. 35 ton ear corn, 58 ft. corn silage in 12x50's, app. 20 ton 2nd, 3rd cutting alfalfa.

Produce Supplies, Greenhouse

8x16 walk in truck box cooler, 10x12 produce stand, scales, boxes, baskets, 13x30 greenhouse and supplies.

Six Head Horses • Harness & Hitches

One pair red roans, 3 blond sorrel mares, red sorrel mare, 6 set of Harness, bridles, etc., single, double, trees 5-6 horse hitches.

Farm Machinery

New Holland 456 mower, New Idea crimper with Smucker rolls, 2 New Holland rakes, Grimm tedder, New Holland 310 baler w/engine, 2 bottom hyd. plow, 24 discs K.B.A. John Deere disc harrow, 10 ft. spring tooth harrow, log roller like new, Vicon 1200 lb. fertilizer spreader. Two 2 horse cultivators, Wiard 106 walking plow, 2 auto turn forecarts, 1 with brakes, 1 fore cart and scraper blade, 1 horse scraper, boom field sprayer, 90 ft. ext. ladder, Stihl mist blower sprayer.

2 flatbed wagons, 2 spring wagons, corn sheller, gas tank w/pump, dump rake, 2 wagon load small items, few household goods, combine, cupboard, 6 matching cane bot. chairs, chest of drawers, youth bed, folding cot.

Owners:
Samuel F. & Lydia Stoltzfus

Auct. Steve Steve, Jr. **Petersheim**
AU001349L 215-593-2828
Food on Premises

MAILBOX MARKET AD FORM

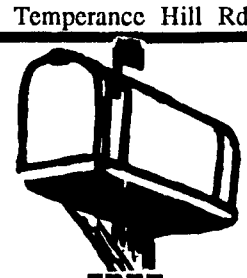
Only ads submitted on this official form will be published in our mailbox markets.

Please NO PHONE CALLS

(Attach Your Mailing Label Here)

Check One:
For Sale____ Notice____ Wanted____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20



FREE

Subscribers to Lancaster Farming will receive one advertisement FREE each month in our Mailbox Market. Subscribers using the Mailbox Market MUST use this form with mailing label attached and will be governed by the following rules:

Limit your advertisement to 20 words; area code must be added to phone number or ad will not be published, and, due to repeated requests, please include your county for buyer and seller convenience, all advertisements must be mailed to the office by Monday or same will be held over for next week's paper; no business ads accepted.

Include your Lancaster Farming mailing label and mail to:
Mailbox Market
Lancaster Farming
P.O. Box 609
1 E. Main St.
Ephrata, Pa. 17522
No Phone Calls Please

Public Auction Register

Closing Date Monday 5:00 P.M. of each week's publication

SAT. DEC. 21 - 10AM, Tractors, Machinery, Trailers, Truck, located Gettysburg, PA, Wallace P. & Scott Murdoch, owners, C. David Redding, Auct.

SAT. DEC. 21 - 10:30AM, Cattle & Machinery Dispersal-Christmas Holiday Classic, at Jack Wood's Sale Barn, located on the Taylor Valley Rd., approx. 2 mi. N. of Cincinnatus, NY, just off Rt. 26, Jack Wood's Livestock & Auction Service, Aucts.

THURS. DEC. 26 - 3PM, Winross, Tonka & Hess Trucks, Over 60 Farm Toys, Model Kits, Ertle Banks, etc., at Harry's Auction, 16 Graybill Rd., Leola, PA, Richard Harry & Randy Stoltzfus, Aucts.

FRI. DEC. 27 - 9AM, Farm Equipment, Yard Equipment, Furniture, Office Equipment. Loc. at Arcanum, OH on Alt. St. Rt. 49 at the east edge of town (25 mi. NW of Dayton, OH or 25 mi. NE of Richmond, IN). Owner- Koenig Equipment Inc. Schrader Real Estate & Auction Co., Inc.

FRI. DEC. 27 - 9:30AM, 47 Acres w/Frame Farmhouse, Antiques, and HH Goods, located 3950 Old York Rd., Wellsville, PA, Estate of Mable G. Shaffer, Rentzel's Auction Service, Aucts.

FRI. DEC. 27 - 1:30PM, State Graded Feeder Pig Sale, Exit 12 E. off I-81, Carlisle Livestock Market, Inc.

FRI. DEC. 27 - 6PM and SAT. DEC. 28 - 9AM, Over 500 Sports & Baseball Books, Other Sports Items, Jewelry, Stamps, Furniture, etc., at Springetts Fire Hall, 3013 E. Market St., York, PA, Gary Gladfelter, Auct.

SAT. DEC. 28 - 8:30AM, Antiques, HH, Glassware, Coleictibles, Tools. Held in the Chanceford Community Center, 1 block off Rt. 74, Brogue, York Co., Pa. For Mrs. Maher & Other Consignors. Sechrist Aucts.

SAT. DEC. 28 - 9AM, Fine Antiques, Collectibles, Household, Glassware, located at Redding Auction Service, take Rt. 34, ½ mi. N. of Gettysburg, PA, bear right at Y & continue 2 mi. on Table Rock Rd., Ellen Tipton Buehler, owner, C. David Redding, Auct.

SAT. DEC. 28 - 9:30AM, Excess Building Equip., & Material, located 7655 Harmony Grove Rd., Wellsville, PA, Stve E Slothower, owner, Rentzel's Auction Service, Aucts.

SAT. DEC. 28 - 10AM, 142 Acre Farm & Equipment, located along SR 2002 off Rt. 54, S. of Danville, Lloyd E. & Frances J George, owners, Horning Farm Agency, Inc., Aucts.

SAT DEC. 28 - 10AM, Short Notice Bankruptcy Auction-46 M/L Acres of Land, located from Lancaster, PA take Rt. 272 S appr. 20 mi. to Wakefield, turn S. on Rt. 272, 3 mi. to Little Britain, turn right on Brown Rd., app. 1 mi., Gladys S. Craig, Debtor-In-Possession, Kreider, Kline and Good, Aucts.

SAT. DEC. 28 -11AM, Modern Farm Equip., (Between Reading & Allentown) 1st farm West of the Borough of Fleetwood toward Blandon, along West Main St., Berks Co., PA., Samuel S. & Anna M. Shirk, owners, Ralph W. Zettlemoyer Aucts.

SAT. DEC. 28 - 11AM, Tractors, Trucks, Implements, located Rehobeth, MD, Near Pocomoke, J. Lowell Stoltzfus, owner, Pete Richardson Auction Sales, Inc.

SAT. DEC. 28 - 5PM, 7th Annual Consignment Auction of Farm Toys and Toy Trucks, at Lancaster City "Days Inn" on Keller Ave near Stockyards, Dale Stoltzfus, Auct.

MON. DEC. 30 - 9AM, Complete Blacksmith Shop, Tools & Equip., located at 2227 Meadow View Rd., Mastersonville, PA, Blanche N Garman, owner, T. Glenn Horst and Sons, Aucts

MON. DEC. 30 - 10:30AM, 8th Annual Year End Auction, Harper Implement Co , Inc , Swayzee, IN, 12 mi. to Marion, Schrader Real Estate & Auction Co., Inc., Aucts.

TUES. DEC. 31 - 10.30 AM Sharp. Located on West Scott Rd. From Homer NY get off I-81 at Exit 12, to Route 281 N. approx. 1 mile to red light, take Route 41 N. approx 3 miles to the West Scott Rd. then approx. 1 mile to the farm. 100 Top registered & hi-quality grade cattle, machinery. For Stuart & Kathryn Jones. Jack Wood's Livestock & Auction Service.

TUES. DEC. 31 - 11AM, Complete Chester County Herd Dispersal at the Shady Lane Dairy Sale, ¼ mi. W. of Quarryville, Mr. and Mrs. William Lusby, owner, Shady Lane Dairy Sales, Inc , Aucts

JAN.

WED. JAN 1 - 8:30AM, Furniture, Collectibles, Coins, Personal Property. Located 1-1/10 mi N. Machester, PA., Along RT 181, Turn Right at Gray Rock. Watch for Signs. Rentzel's Auction.

WED, JAN 1 - 9AM, Antiques, Tools, Hardware "OLD DENVER SCHOOL", Located Corner of 4th St & Walnut St, Denver Boro, Lancaster Co. Art Pannebecker, Auct.

WED. JAN. 1 - 9AM, Annual Public Sale, Farm Tractor, Vehicles, etc., located 7 mi S. of Martinsubrg, WV or 14 mi N. of Winchester, VA off Int. 81, take Exit #5 (Inwood) Rt. 51 E approx 3½ mi E. of Inwood, WV, turn right at Shutts Cash Grocery, 2 mi Edgar A Bohrer, Sale Mgr

WED JAN. 1 - 3PM, Antiques, Collectibles, Toys & Dolls, Horst Auction Center corner of Rt. 322 & Durlach Rd , Ephrata, Lanc Co., PA, T Glenn Horst Aucts

FRI JAN 3 - 9AM, New & Reconditioned Equipment Consignment Sale, located take Rt. 472 S. from Quarryville, turn E on Maple Shade Rd. at Kirkwood Post Office, go 1 mi to Coopers Dr. (2nd Right), continue ¼ mi. to sale, Kirkwood Repair Shop-Samuel K. Zook, owner, Rentzel's Auction Service, Aucts.

ABSOLUTE AUCTION -

REPOSSESSED VEHICLES

SATURDAY, JANUARY 4, 1992 AT 11:00 A.M.

Keystone Public Auto Exchange, Rt. 22/322, Between Dauphin & Clarks Ferry Bridge.

1991 Dodge 350 Truck, Cummins Diesel, 15,234(M)
1991 Chev S-10 Blazer, Loaded, 7,459(M)
1991 Mitsubishi Eclipse GS, 3,805(M)
1991 Chev Beretta GT CP, Loaded, 11,085(M)
1991 Dodge Daytona ES CP, Red/Silver, AT, PS, PB, AC, 4,900(M)
1990 Ford Customized Raised Roof Van, 12,252(M)
1990 Pontiac Grand Am CP, AT, AC, 29,314(M)
1990 Geo Prizm Sdn, AT, AC, 21,659(M)
1990 Hyndai Sonata GLS, AT, AC, 21,235(M)
1990 Chev SS 454 PU, Loaded, 31,188(M)
1990 Geo Tracker, 4x4, 5 Spd., 43,159(M)
1990 Subaru Justy, AT, PS, PB
1990 Dodge Daytona, 5 Spd., AC, 27,775(M)
1990 Ford Bronco II XLT, 4x4, Loaded, 34,071(M)
1990 Chev Cavalier
1989 Pontiac Grand Am, Silver
1989 Chev Cheyenne 4x4 PU, 44,454(M)
1989 Dodge Dakota Sport PU 4x4, 60,151(M)
1989 Ford Custom Super Cab, AT, AC, 50,638(M)
1989 Ford F250 Super Cab, AT, AC, 53,558(M)
1989 Buick Skyhawk Sdn, AT, AC, 8,801(M)
1989 VW Jetta GLI Sdn, 5 Spd., AC, 48,393(M)
1989 Plymouth Grand Voyager LE, 6 Cyl., 36,903(M)
1989 Ford T-Bird, Loaded, Red, 19,275(M)
1989 Dodge Caravan
1989 Chev Sport PU
1989 Pontiac Sunbird
1989 Ford Tempo
1989 Suzuki Sidekick 4x4, 18,683(M)
1989 Ford Ranger, 5 Spd, PS, PB, AC
1989 Ford Festiva, 42,869(M)
1989 Acura Integra LS, Gold, 85,507(M)
1989 Ford E350 Box Truck, 460 V8, 27,303(M)
1989 Buick Regal Custom, 20,798(M)
1989 Camaro RS, AT, AC (Damage)
1989 Hyundai GL Sdn, 52,714(M)
1989 Hyundai Excel GSL (Major Damage)
1988 Chev S-10 PU, 5 Spd., 12,023(M)
1988 Chev Silverado 4x4 PU, AT, 61,877(M)
1988 Chev S-10 Ext Cab 4x4 PU, Loaded, Red
1988 Cavalier Z-24, AT, AC, Blue
1988 Nissan PU, 4 Spd, 35,788(M)
1988 VW Quantum Sdn, 5 Spd, AC, 63,196(M)
1988 Hyundai Excel GS, AT, AC, 38,233(M)
1988 Ford Escort GL, AT, AC, 58,967(M)
1988 Chev Beretta, 5 Spd, 6 Cyl, 69,706(M)
1988 Lincoln Mark VII LSC, 47,378(M)
1988 Ford Escort SW, AT, AC, 52,899(M)
1988 Chev Beretta, 6 Cyl, AT, AC, 57,271(M)
1988 Ford Escort GI, AT, 35,000(M)
1988 Chev Corsica
1988 Ford T-Bird, AT, AC, 48,817(M)
1988 Ford Tempo GLS (Damage), 73,250(M)
1988 Ford Festiva, 41,869(M)
1988 Ford Bronco TT Eddie Bauer
1988 Honda Accord
1987 Ford F150 XL PU, AT, AC, Red
1987 Ford F250 XL, PU, AT, Red
1987 Nissan GXE Van, AT, AC, 77,777(M)
1987 Ford Tempo LX CP, AT, AC, Black
1987 Dodge Shadow, 4 Cyl, 90,357(M)
1987 Ford Club Wagon
1987 Ford Escort SW, AT, 45,463(M)
1987 Nissan Sentra, 88,286(M)
1987 Cadillac Deville, AT, AC, 71,800(M)
1987 Ford Mustang CP, 43,133(M)
1987 Ford Escort Sdn
1987 Mercury Cougar LS (Damage)
1987 Pontiac Sunbird SE, 52,803(M)
1987 Ford E350 XL, AT, PS, PB, AC, 86,585(M)
1986 Ford Aerostar Van, Blue, 72,051(M)
1986 Ford Aerostar Van, 91,124(M)
1986 Nissan King Cab, 5 Spd, AC, 57,174(M)
1986 Buick Regal Roadster, 45,557(M)
1986 Honda Accord LX, AT, AC, 78,720(M)
1986 Pontiac Fiero CP, AT, AC, 43,656(M)
1986 Olds Cutlass Cruiser SW, 80,649(M)
1986 Chev Cavalier, 47,022(M), 1986 Cavalier
1986 Ford Escort 92,136(M), 1983 Dodge PU 4x4
1986 Ford Tempo, 101,000(M), 1983 Chrysler Lebaron
1985 Ford Tempo, 86,608(M), 1984 Buick Sdn
1985 Buick Somerset Limited, 95,187(M)
1985 Chrysler Lebaron, 1984 Dodge Truck
1985 Cavalier SW, AT, AC, 39,132(M)
1985 Cavalier CS Sdn, 82,954(M), 1984 Pontiac Fiero
1985 Mercury Marquis, AT, AC, 1983 Cadillac CP Deville
1985 Grand Marquis, 73,066(M)
1982 Ford Bronco Lariat XLT, 1984 Buick Riveria
1981 Olds Toronado, 1983 Caprice 86,263(M)

All Vehicles Listed Above Sold "As Is" To The Highest Bidder Regardless Of Price!! TERMS: Public Buyers - Cash Deposit Of $500.00 Plus Additional 25% Of Purchase Price In Cash On Day Of Auction, Balance Due Next Business Day - In Cash Only!! No Exceptions!! Dealer Checks Accepted. Temp. Tags w/Proof Of Insurance. Title Work/Notary On Premises. Plenty Of Parking And Food. Call: 717-921-2200 For Consignment Information.

*****Due To Short Print Deadlines This Is A Partal Listing. There Will Be Approx. 35 More Absolutes Expected In The Sale*****

SNOW DATE WILL BE JAN. 11, 1992

NOTE: The Following Vehicles Will Be Offered With The Right To Accept Or Reject The Bid:

1991 Ford Explorer
1991 Jeep CJ
1991 Chev Caprice
1991 Chev S-10 Blazer
1991 Chev S-10 PU
1990 Chev Lumina
1990 Pontiac Grand Am
1990 VW Jetta
1989 Dodge Conversion Van
1989 Olds 98 Sdn
1989 Chev Celebrity
1989 Olds Delta 88
1988 Ford Escort
1988 Astro Van
1988 Pontiac Grand Am
1988 Dodge Caravan
1988 Chev Beretta
1987 Chev S-10 Blazer
1987 Plymouth Voyager

*****An Additional 30-35 Reserved Units Are Expected For Sale Date*****

Information Believed To Be Accurate But Not Guaranteed And Subject To Change Or Redemption.
*****Approx. 150 Dealer And Public Units In Addition Will Also Be Available For Sale Day*****
If You Wish To Sell A Vehicle, Call Now For Info: 717-921-2200.
PLEASE NOTE: Children Under 16 Yrs. Of Age Will Not Be Admitted Under Any Circumstances!!

KEYSTONE PUBLIC AUTO EXCHANGE KPAE

AU-000057-1

BUCKS COUNTY BANK, HAMILTON/CORESTATES DAFCU, PSECU, DAUPHIN DEPOSIT, PA NAT'L BANK, MELLON, FARMERS BANK & TRUST, FIRST EASTERN, SERVILEASE, FRANKLIN FIRST, GMAC, YORK BANK & TRUST, LEHIGH VALLEY BANK, FIRST VALLEY BANK, HARLEYSVILLE NAT'L BANK, PFCU

1111 Rt. 22-322
Dauphin, Pennsylvania 17018
717-921-2200

PUBLIC SALE

Farm Equipment - Milk Equipment
DeLaval Double Four Milking Parlor
200 Cow Capacity Computer Feeding System
Twelve Hundred Gallon Milk Tank

Saturday, January 18, 1992

10:00 A.M.

Sale held on the Farm in Chester County, PA on Highland Road, One mile East of Octorara High School, Five mile South of Gap. From Rt. 41 go East on Highland Road.

Barn & Milking Equipment

DeLaval parlor, complete with 3" Stainless Steel low line, stainless steel receiving jug, parlor stalls, line washer, sells as one unit; DeLaval No. 78 vacuum pump, sells separate with vacuum reserve tank; DeLaval reclaimer tank and a 7.5 h.p. motor; 4 DeLaval milker units, sell separate; solid state DeLaval controller, sells separate; Bow-a-matic 200 cow capacity computer feeder and cow calendar; terminal and printer sells as unit; cow tags; 3 stalls with dual feed, sell separate; 2-90 ft., 2 inch feed augers, units with motors and tubing; DeLaval heat reclaimer; Girton 1200 milk tank with Girton tank washer; 2 four h.p. cooling units, sells separate; DeLaval milker pail for individual milking; D.H.I.A. accurate precision timer; Parlor washdown pump; Stainless Steel tubs; Three 24" circulating fans; Stewart clipper; Frey head gate; Box stall partitions; 50 ft. belt feeder complete with motor; four hole energy free water fountain; 8 calf hutches; 2 compartment, 2 ton steel feed bin.

Farm Equipment - John Deere Tractor

John Deere 4230 diesel tractor, quad range, wide front, sound guard cab, dual hydraulic outlets, bought new by the Stoltzfus's; Brillion 10 ft. chisel plow, pull type; John Deere 210 disc harrow, Hi-flo tires; John Deere 10 ft. cultimulcher; John Deere 7000 four row corn planter with monitor and fertilizer auger; Hesston hydro swing 9 ft. haybine; 9 ft. New Idea cutditioner; Kuhn tedder; **New Holland 846 round baler,** excellent condition; John Deere wagon set up for round bales; 3 pt. hitch bale mover; front end loader top spear bale mover; International no. 10 grain drill, 13 disc opener; Fidelity 83,000 - 130,000 watt back up generator, portable; wagon load of small items; hay preserve applicator; 56 compartment stocked bolt bin; case of grease tubes; hay moisture tester; heavy jack; half inch reversible drill; 2 h.p. bench grinder; 6 round bales straw; 4 bales of corn fodder.

Sale Order: Small Items - not many, Barn & Milking Equipment, Farm Machinery.

Owners:
Nelson & Joyce Stoltzfus

Auctioneer:
Steve
Steve Jr. Petersheim:
215-593-AUCT
Lic. #AU-001349-L

Food By Hershey Mennonite Church Youth Group

Petersheim Auctioneers

Public Auction Register

Closing Date Monday 5:00 P.M. of each week's publication

FRI JAN 3 - 10:30AM, Farm Equip., Skid Loader, Cattle & Grain Trucks, Dairy Equip, located Exit off the NE ext. of turnpicke at Lansdale exit, turn E. onto Rt 63 go .2 mi., then follow Rt 63 left for anoth 2 mi to Hatfield Quality Meats sign, turn onto Funk Rd, go 7 mi., turn R onto Derstine Rd, go 1 mi. to 1st farn on right, Montgomery Co, PA, John & Paul Rohr, owners, Ralph W. Zettlemoyer Auct. Co., Inc., Aucts.

FRI. JAN. 3 - 11AM, 101 Acre Farm and 20 Acre Parcel, located along Sunnyburn Rd., Mt. Joy Twp., Lanc. Co., PA, Robert E. & Loraine D. Ginder, owners, Horning Farm Agency, Inc., Aucts.

FRI JAN. 3 - 1:30PM, Pigs State Graded Sale, at Westminster Livestock Auction, Westminster, MD.

FRI. JAN 3 - 4:30 PM, Antiques, Furnishings, Collectibles. Located Friendship Fire Hall, New Haven Street, MT.Joy, PA, Lancaster Co. Harold Keller Auct.

SAT. JAN. 4 - 9AM, "Bankruptcy Auction". Hunting Jackets, Knives, Fishing Lures, Etc. Owners Spring Forge Trading Co. Located Friendship Fire Co, 73 S Main St., Spring Grove, PA Gilbert & Gilbert Auct.

SAT. JAN. 4 - 9AM, Antiques, Tools, Hardware. "OLD DENVER SCHOOL", Located corner 4th St & Walnut St., Denver Boro, Lancaster Co. Art Pannebecker, Aut.

SAT. JAN. 4 - 9:30AM, Trucks, Trailers, Tractors & Equipment, located along Chestnut Tree Rd., W. Nantmeal Twp., Chester Co., Omar & Ruth Beam, owners, Horning Farm Agency, Inc, Aucts.

SAT. JAN 4 - 10AM, Britains Figures, Farm Toys, Wind Up and Battery Toys, Clocks, Antiques, Imari Country & Victorian Furniture Ridge Fire Co. Blue Room, along Rt 23, between Phoenixville, PA & RT 100 Ted Maurer, Auct

SAT JAN 4 - 10 30AM, Garden Tools, HH Goods, Personal Property, located West Side of Adamstown, Lanc Co, PA, from Rt. 272, N on Cocalico Rd to Black Angus Rest., ½ mi to farm, Leon & Eva Youndt, owners, LeRoy S Horst and Paul W. Horst, Aucts

WED. JAN. 8 - 6 30PM, Winross Truck & Toys. A&C Diffenbach Auction Inc, 100 West Jackson St., Box 186, New Holland, Pa. 17557. Alan Diffenbach Auct.

THUR. JAN. 9 - 6:30PM, Winross Auction, Location Country Table Restaurant Banquet Hall, 740 E. Main St., Rt 230, MT.Joy, Lancaster Co., PA. All American Auction.

FRI. JAN. 10, State Graded Feeder Pig Sales at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA

FRI. JAN 10 - 9AM, Farm Equipment & Supplies A&C Diffenbach Auction Inc, 100 West Jackson St, Box 186, New Holland, Pa 17557. Alan Diffenbach Auct

SAT. JAN. 11 - 9AM, Antiques, Household Goods, Tools, Coins, Located Liberty Fire Hall, 339 E Main St., New Holland, PA. Paul E. & Aaron E. Martin Auc

SAT. JAN. 11 - 9AM, Antiques, Tools, Hardware, "OLD DENVER SCHOOL", Located corner 4th St & Walnut St, Denver Boro, Lancaster Co. Art Pannebecker, Aut.

SAT. JAN. 11 - 9AM, Antiques, HH goods, Tools, located at Liberty Fire Hall, 339 E. Main St, New Holland, PA, Barbara B High and Anna B. Hoover, owners, Paul E. Martin Auction Service, Aucts.

SAT. JAN 11 - 9 30AM, African & North American Trophy Collection, Antlers, Horns, Skulls, Guns, Etc. Located Springetts Fire Co. Social Hall, 3013 E. Market St., York, PA. Gilbert & Gilbert Aucts.

SAT. JAN. 11 - 9:30AM, Farm Machinery, Household Goods, Few Antiques, Collector Tractors, Weaverline Feeder. Owner Robert W Campbell Located Lancaster Co, 2 mi. W. Honey Brook on Mast Rd. From RT 322 go S. on Churchtown RD, at Service Station to Mast Rd, Right, Watch for Sign on Left. Steve Petersheim, Jr Auct.

SAT. JAN. 11 - 12 Noon, 205 Acres M/L Farm, Beech Creek, Clinton Co., Beech Creek Twp., PA, Gerald & Elizabeth DuFour, owners, All American Aucts., Darvin J. Rodgers, Jr., J. Kevin Noll, Appr. Rltr., Philip V. Nissley, Aucts.

SAT. JAN. 11 - 12Noon, 64 Acre Dairy Farm, Hickory Bottom Road, Bedford Co, Woodbury Twp, PA, John H. Replogle, seller, "Cal" Brian W. Figard, Auctioneer.

SAT. JAN. 11 - 1PM, 100 +/- Acres Lehigh Co Dairy-RE Deeded in 4 Separate Parcels, Main Facility now Used as dairy operation, located in Lynn Twp., Lynnport, PA, Ralph & Marie Dietrich, owners, Horning Farm Agency, Aucts.

TUE JAN. 14 - 6:30PM, Winross Auction, Located Country Table Restaurant Banquet Hall, 740 E Main St, RT 230, MT Joy, PA, Lancaster Co, All American Auction

WED. JAN 15 - 9AM, Farm Machinery, Silage & Hay, located Mill Hall, PA, close to Rote, Clinton Co, Mark and Priscilla Stoltzfus, owners, John Esh, Auct

WED. JAN. 15 - 10AM & 1PM, Two Real Estates, #1-off Rt. 30 take Rt 10 S to Upper Octorara Church, turn left onto Octorara Rd, #2-from Coatesville, PA take Rt. 82 S. to Getty Deli, turn right onto Strasburg Rd., turn left on S. Park Ave., Estate of Henry Tsheschlot, Kenneth Griest & John Stoltzfus, Aucts

FRI. JAN. 17 - 1.30PM, Pigs State Graded Sale, at Westminster Livestock Auction, Westminster, MD

SAT. JAN. 18 - 10AM, Farm Machinery, UD 4230 Dsl., 1200 Gal. Girton Milk Tank, Bouamatic Computer Feeding System, located Chester Co, PA, 1 mi. E. of Octorara High School, Nelson & Joyce Stoltzfus, owners, Steve and Steve, Jr, Petersheim, Aucts.

HFA REALTOR MLS

PUBLIC AUCTION

OF 101 ACRE LANCASTER COUNTY FARM AND 20 ACRE PARCEL

FRIDAY, JANUARY 3, 1992

@ 11:00 A.M.

Directions: From Lancaster Rt. 283W to E-town exit, right on Clover Leaf Rd., go .9 mile straight on Green Tree Rd. to T, turn right on E-town Rd., turn left on Sunnyburn Rd. to 1st farm on left. Mt. Joy Twp., Lancaster Co.

PARCEL #1: Property consists of 2½ story brick house; first floor has kitchen, living room, dining room & 1/2 bath; second floor has 3 bedrooms & full bath; full basement; oil hot air heat; slate roof. House has a brick addition with 2 car garage and apartment overhead.
BARN: 96x105, 2 story bank barn including a feedlot to fatten beef cattle, with a 72x105 outside loafing area. Feedlot set up to fatten 250 head of cattle with 3 Rissler bunk feeders and a Rissler feed mixer with a 6,000 pound scale.
SPRINGHOUSE: 2 story stone.
OTHER BUILDINGS: Small corn and equipment shed, and a 2-car garage.
SILOS: 2- 16x60 concrete; 1- 18x70 stave.
ACREAGE: 95 tillable acres; 5 in pasture-land with spring fed pond and stream. Approximately 1640 feet of road frontage.
COMMENTS: Very productive Lancaster County farm in high state of cultivation, all buildings are in excellent repair in a beautiful setting overlooking pond and meadow.
PARCEL #2: 20 acres of all tillable land bordering 101 acres.
OPEN HOUSE: Saturday, December 14th from 1-4 PM or anytime by appointment.
TERMS: 10% day of sale; settlement on or before March 28, 1992. Owner financing available to approved buyer; call Horning Farm Agency for more information.
NOTE: Farm equipment to be sold February 15, 1992, watch for full listing.

Terms By:

ROBERT E. GINDER
LORAINE D. GINDER

Horning Farm Agency, Inc.
Alvin Horning AU-0433-L
Merle Eberly AU-2417-L
Main Street, Morgantown
215-286-5183

Winross Auction

Private Collection Of Over 400 Trucks
to be sold in two sessions starting
Thursday, Jan. 9, 1992 & Tuesday, Jan. 14, 1992
(Starting at 6:30 PM)

Location for both sales: Country Table Restaurant Banquet Hall, Rt. 230, Mount Joy, Lancaster Co., 740 East Main Street.

Over the Roads, Locals, and Fire Companies.
Free truck given away night of sale.

For more info. call auction company at (717) 426-3769.

ALL AMERICAN AUCTION SERVICE

DARVIN J. RODGERS, JR.
PHILIP V. NISSLEY
J. KEVIN NOLL
LICENSED • BONDED

ESTATES • BUSINESS • FARM • HOUSEHOLD
REAL ESTATE LIQUIDATORS • VEHICLES • ANTIQUES
NO CHARGE FOR CONSULTATIONS & APPRAISALS

DARVIN 717-426-3769 LIC. RY11L

2426 Donegal Sprgs. Rd.
Marietta, PA 17547

CLIP & SAVE THIS AUCTION
— Will Not Appear Again —

Next Consignment Sale will be Jan. 30, 1992

PUBLIC AUCTION

CONSISTING OF TWO REAL ESTATES

WEDNESDAY, JANUARY 15, 1992

At: 10:00 A.M. & 1:00 P.M.

***REAL ESTATE #1* At 10:00 A.M.**

Directions - Off Rt. 30 take Rt. 10 South to Upper Octorara Church, turn left onto Octorara Rd. & follow to sale.

A masonry building 60'x65' centered on a lot 17,000 sq. ft. more or less, building consists of 3-12' overhead doors, 2-8' overhead doors & 1 steel entrance door, building has electricity.

***REAL ESTATE #2* At 1:00 P.M.**

Directions - From Coatesville, PA take Rt. 82 South to Getty Deli, turn right onto Strasburg Rd., turn left on South Park Ave. & follow to sale.

Real Estate Consists of: 3.3 acres more or less with home. 1st floor living room; kitchen; bath & bedroom; 2nd floor 2 bedrooms with attic, full basement, oil hot air furnace (good cond); gas hot water, well & sewage on site, fenced in yard.

10% deposit day of sale. Cash or certified check. 30 day settlement on or before.

A few contents included: dbl. iron & brass bed; steamer trunk; metal blue print cabinets; 2 Cifforobes; Elec. chain saw; magnet.

Estate of:
HENRY TSHESCHLOT
Executor: Russell Steidler
Atty: Pat O'Donald
Kenneth Griest & John Stoltzfus
Auctioneers
Lic. #AU-001270-L Lic. #AU-001728-L
Phone: 215-857-3942 or 857-2149
Not Responsible For Accidents

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64 +/- ACRE DAIRY FARM

Bedford Co., Woodbury Twp., Pa.
On The Hickory Bottom Road

SAT., JAN. 11, 1992

12 Noon

26 Tie Stall barn, new pipeline, 600 gal. bulk tank, 3 years old, new hot water heater and salavager in milk house. 14x50 Fickes silo w/unloader, 12x32 Merritta silo and bunk feeder.

7 room farm house w/1½ baths, 4 bedrooms, kitchen, dining room and living room w/full basement, oil heat, 2 car garage, drilled well.

Seller
JOHN H. REPLOGLE
814-793-2077
Auctioneer "Cal." Brian W. Figard
AU-1855-L

Seller has the right to accept or reject any or all bids.

Terms 10% day of sale, balance due in 30 days.

Not responsible for accidents.

PUBLIC SALE

OF PERSONAL PROPERTY HOUSEHOLD GOODS AND GARDEN TOOLS

SATURDAY, JAUNARY 4, 1992

At 10:30 A.M.

Located west side of Adamstown in Lancaster County, Pa. Directions from Rt. 272 turn north on Cocalico Road at Black Angus Restaurant go ½ mile to farm.

2 Door SS Commercial Refrigerator

Aqua Tappen elec. range, 5 chest of drawers, 3 upholstered platform rockers, complete baby crib, 4 captain chairs, kneehold desk, recliner, metal utility table, metal upright cabinet, table lamps, twin tubs, floor polisher & waxer, patio swing and chairs, 2 round patio table & chairs, lawn chairs & folding table, Gemitlicheit folding chairs, picnic table and chairs, baby changing table, 2 Eureka vacuum cleaners, stereo & cabinet, rug, meat slicing table, table tennis set, new Avon plates & jug, set of luggage, lot of canning jars, copper tea kettle, paper roll dispenser, chandelier, flat iron, 2 sleeping bags, kitchen utensils, slide projector & screen, blankets, Zenith AM-FM radio, dresser scarves, HD 2 inch door 6 light, 4 folding tables, 2 elec. heaters, 2 elec. fans, 2 porch benches, childs table & chair, fireplace set, Matthew Henry, book of, light set, other books.

1971 Ford Pickup ¾ Ton
John Deere 110 Lawn Tractor

With mower and snow blade, 3 rotary mowers, 1 self propelled, Simplicity rototiller, old rail fence, 90 rails 30 posts, 10 cedar posts, wheelbarrow, barn brushes, lot of walnut boards, other lumber, 14 chicken crates, log chains, 2 lawn trailers, iron hog troughs, iron cattle trough, 2 rolls elec. fencing, 3 beam scales, iron railing, 13 inch hedge trimmer, gas weed eater, 2 shallow well pumps, set of quoits, grease gun, mens skates, 2 elec. extension cords, nails & bolts, truck tire chain, grinder wheel, 275 gal. fuel tank & 70 gal. fuel, lot of H.D. garden hose, leaf blower, barbecue grill, 300 ft. HD elec. wire, guff wire, old bar cupboard, 2 sleds, rolls of insulation, shelving, 2 tubs, bench vise, tools, digging iron, forks, shovels, sledge, axe, saws, garden sprayer, weight lifting bench, 2 express wagons, Woolrich hunting suit, antique lawn mower, hay hooks, wooden calendar, egg baskets, milk bottles.

Note: rain or shine sale will be held inside building.

Terms by
LEON & EVA YOUNDT
215-484-4413
Auctioneers
Leroy S. Horst AU-000-436-L
& Paul W. Horst 215-445-6181
Lunch will be served
Not responsible for accidents if any should occur.

Welcome To Our First 1992 Auction

Antiques - Furnishings - Collectibles

Fri., January 3, 1992 At 4:30 P.M.

Friendship Fire Hall, New Haven Street
Mount Joy, Lancaster Co., Pa.

Railroad Photographs, Agate Pictures & Frames, Wooden Store Boxes, Jelly Cupboard, Chest Of Drawers, Desks, Silverplate Items, Dishes, Nintendo Games, Rocky Springs Banner, 1980 Phillies Champs Banner, Ladder Back, 027 Lionel Train, Snapper Mower, Weed Eater, Garden Tools & Something For Everyone.

"Happy New Year" From Claude & Audrey — Harold, Helen, Tim, Adam & Amy.

— Celebrating 32 Years In The Auction Business — Free Drawings For Gifts, Hams & Meals.

Keller Auctioneers 717-653-8871- Harold K. Keller C.A.I. & Claude F. Bechtold C.A.I. Tim & Adam Apprentice.

Next Week — Jan. 8 To 11, We Are Attending The Pa. Aucts. Convention.

We Have A Courteous, Experienced Staff- Thanks For Attending Our Auctions.

HAROLD K. KELLER AUCTIONEERS
268 Marietta Avenue
Mount Joy, PA

AU0476L 653-8871

Public Auction Register

Closing Date Monday 5:00 P.M. of each week's publication

SAT. JAN. 18 - 10AM, 120 Acre Lehigh Co. Farm. Owners Clair C. Wagner. Located 2 miles E. of Village of Kempton, PA, 4 miles W. of Village of Lynnville, Travel N. from I-78 & Fogelsville, Exit on RT 100 a total of 4.2 miles, Turn W. onto Lynnville Rd. Toward Kempton a total of 8.4 miles, Turn R onto Donats Peak Rd, One Block to Farm., Lynn Twp, Lehigh Co., PA. Ralph W. Zettlemoyer Auction, Co., Inc.

SAT. JAN. 18 - 10AM, Valuable Real Estate, Full Line of Woodworking Shop Equip. and Small Hand Tools, located take May Post Office Rd. S from the square in Strasburg 6 mi., turn right on Eden Rd 1 mi to property, Stephen L Esh, owner, Diffenbach's Aucts.

SAT. JAN 18 - 10AM, Garage Equipment and Radiator Repair Equipment located Bierly's Garage, Main St., Rebersburg, PA, Centre Co., Kip Bierly, owner, Leon J Smith, Jr and Son, Aucts.

WED JAN 22, 23, 24 - Large 3 Day Sale, Farm Equipment, Etc At Our Place of Business, ¼ mi E of Marion, PA, Just off RT 81 Ralph W Horst Auct

THUR JAN 23 - 9AM Draft Horses, Farm Machinery, Milk Equipment, Produce Equipment & Supplies Owners Samuel F Stoltzfus Located Lancaster County PA 3 mi SE of Intercourse 2 mi N of Gap from 772 go S on Pequea Valley RD, Opposite Pequea Valley High School Steve Petersheim Jr Auct

THUR JAN 23 - 1PM, Real Estate, Owner Ralph W Horst Located Horst Machinery Sales Lot, Just E off RT 81, Exit 4, Marion, Pa David Gossert Auct

FRI JAN 24, State Graded Feeder Pig Sales at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA

FRI JAN 24, 10AM 36 Head Holstein, Horse Drawn Machinery, Some Household Owner Isreal S Yoder, Located Centre County, 3 mi E Aaronsburg, PA, Turn S Quarry Rd Mark Glick Auct

TUES JAN 28 - 9AM Quilt, Craft & Buggy A&C Diffenbach Auction Inc., 100 West Jackson St., Box 186, New Holland, Pa 17557 Alan Diffenbach Auct

SAT JAN 25 - 9 30AM, Farm Machinery, Milking Equipment, Draft Horses AC tractor Located Lancaster County, PA, 5081 Old Philadelphia Pk, 3 mi E of Intercourse Steve Petersheim Jr Auc-

WED JAN 29 - 9AM, Quilt Craft A&C Diffenbach Auction Inc., 100 West Jackson St., Box 186, New Holland Pa 17557 Alan Diffenbach Auct

PUBLIC SALE

Saturday, January 18, 1992

10:00 A.M.

BIERLY'S GARAGE, MAIN STREET, REBERSBURG, PA. (CENTRE COUNTY)

PARTIAL LISTING

GARAGE EQUIPMENT AND RADIATOR REPAIR EQUIPMENT

Ammco 3,000 brake drum lathe with disk brake attachment; stainless steel Mi T Hot Power washer, 2,000 lb; smith acetylene torch with tanks and cart; dry glass blast cleaner with reclaimer; electric hydraulic hose press with cabinet; Magnum 04 tire machine with air inflate; Emglo 3-H.P. air compressor with tank; 450 Amp. battery charger; Sioux valve grinding machine; press for air conditioner hose; Sunnen wet hone; hydraulic hose cut off saw; Alemite spin balancer with strobe light; radiator equipment including cook out tank; air operated lift; flow tester; test bench; Barbee repair table for plastic tanks; John Deere 317 lawn tractor with mower.

For complete listing send self-addressed, stamped envelope to auctioneers.

Owner:

KIP BIERLY

Auctioneers:
Leon J. Smith, Jr. & Son
AU000868L
P.O. Box 196
Millheim, PA 16854
(814) 349-8633

Owner And Auctioneers Not Responsible For Accidents On Premises

PUBLIC AUCTION

120 ACRE LEHIGH CO. FARM

Sat., Jan. 18, 1992

At 10 A.M.

2 Miles East of the Village of Kempton, 4 miles West of the Village of Lynnville, travel N. from I-78 & Fogelsville exit on Rt. 100 a total of 4.2 miles, turn west onto Lynnville Rd. toward Kempton a total of 8.4 miles, turn R onto Donats Peak Rd. one block to farm, Lynn Twp., Lehigh Co., Pa.

120 acres, of which approx. 90 acres are tillable, 20 acres woodland, balance meadowland, plus asstd. farm bldgs, plus a house that needs help, stream on property.

NOTE: Property is located in the beautiful historic Kistler Valley. This is the ideal property for the handy man. For information & map call (215) 395-8084. Terms- 10% day of auction in cash or check, personal check accepted if accompanied with a current bank letter of credit stating amount allowed to be spent day of auction, balance on or before March 20, 1992.

For-

CLAIR C. AND BETTY B. WAGNER

Conducted By
Ralph W. Zettlemoyer
Auction Co., Inc.
(215) 395-8084
Pa. License #AU-001809-L

HFA REALTOR MLS

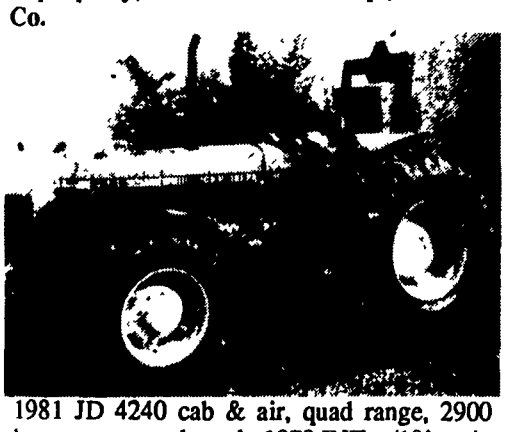
PUBLIC AUCTION

OF

TRUCKS, TRAILERS, TRACTORS & EQUIPMENT

Saturday, Jan. 4 @ 9:30 A.M.

Located 3 miles south of Elverson, take Rt. 82 south to Chestnut Tree Road turn right to property; West Nantmeal Twp., Chester Co.



1981 JD 4240 cab & air, quad range, 2900 hours, very good cond.; 1979 INT w/18' grain dump body; 30' Fruehauf van trailer; 40' storage trailer van; steel tank trailer; 1979 Chevy ¾ ton pickup, auto; 1971 Chevy C-50 stake bed; JD 4450 FWD diesel tractor, AC cab; JD 2555 FWD diesel tractor, only 1 year old; White 2-85 diesel tractor, AC cab; JD 7200 liquid 6 row corn planter, 2 yr. old; JD rotary hoe; NH "L775 skid loader; new NH #40 blower; NH #316 baler; NH #890 2 row corn harvester; NH #158 hay rake & tedder; (2) crop carrier 8 wagons, 1 w/top; NH 3 pt. mower, NH crop chopper; NH grain & bale elevator 32'; NH #791 manure spreader; steel side bale wagon; #588 White 18" 6 bottom plow; #5200 Krause no till grain drill; #4924A Krause disc harrow; Sunflower 9 tooth chisel plow, 1 yr. old; (2) Brillion pulverizer, 23' & 10'; Brillion field cultivator; stone picker, 3 pt. Vicon seeder; PTO Fidelity generator, 25KW; 580 GT grain dryer; (3) gravity bin wagons; grain ovator trailer; Hi cap grain cleaner; 8" grain auger; bulk sprayer equip.; storage tanks, all sizes; 4 steel tanks from 4000 to 20,000 gal.; (6) 2" & 3" portable pumps; lots of sprayer & equip parts; new 2" 3HP pump; 34' steel trusses; 5 polx tanks, 500-1500 gal.; 32' flat trailer; high press piston sprayer w/motor; lg. air compressor; alfalfa hay & straw; tools and items on wagons; used hog equipment, small augers & small equipment.

Out of state checks must be approved prior to sale by owner.

Terms by:
Omar & Ruth Beam
215-286-9465

Horning Farm Agency, Inc.
Alvin Horning AU-0433-L
Merle Eberly AU-2417-L
Main Street, Morgantown
215-286-5183

"OLD DENVER SCHOOL" Public Sale

Antiques; Tools; Hardware

Wed., Jan. 1, 1992

@ 9:00 a.m.

Sat., Jan. 4, 1992

@ 9:00 a.m.

Sat., Jan. 11, 1992

@ 9:00 a.m.

Sale to be held in the "Old Denver School" located at the corner of 4th Street & Walnut Street, Denver Boro., Lancaster Co.

WED., JAN. 1, 1992

Wooden washing machine; tub; sizing boxes; sleds; wagons; measures; cigar molds; crocks; tins; Mentzer shovels; hanging lights & parts; lanterns; show jar; dolls; flat & sad irons; guns & parts; marbles; lunch pails; cash register; paper cutter; waffle iron; roasters; basket; smoker; scales; Royers Bakery crates; agate; cast iron fry pans; jars - some dated; meat hooks; sausage stuffer; license plates; milk bottles; kerosene lights; pretzel & chip cans; grinder; dryer; Edison records; ice shaver; flour bags; post card album; German books - old books; pie safe; bone saw; popcorn popper; heaters; hanes; harness with rosette; deco cast iron; pitcher pump; coffee grinder; land deeds; old clothing; brass bucket; Luigi Pistelli accordion; mannequins; show cases; Lancaster Co. 1860 Scotts map; Berks Co. 1861 map; broad axes - some signed; bag wagon; hay hook; pulley; vise; hinges; brackets; two man saw; seeder; planes; ice tong; chisel; auger; bikes & lots of other things.

SAT., JAN. 4, 1992

Blacksmith tools; axes; lanterns; potbelly stove; hand crank slicer; small sleigh; deeds; ladders; sleds; auger; zinc lids; jars; pretzel & chip cans; berry crates; typewriters; flour bags; Ephrata adv.; wooden boxes; sleds; kerosene heater; scales; lots of hardware; lots of other things. Come and see what we have.

Terms by:

ROBERT ACHEY

Art Pannebecker
AU-001476-L

Lunch served

PUBLIC SALE

Saturday, January 25, 1992

9:30 A.M.

Farm Machinery - Milking Equipment - Guernsey Cow - Hay - Ear Corn - Draft Horses - A.C. Tractor

Sale Held At Farm In Lancaster County, Pa., 5081 Old Phila. Pike, 3 Mile East Of Intercourse.

3 Belgium Horses - Hitches

Three Single Horses Well Broke, Work Either Side Or Lead, 3 Set Of Harnesses, Single- Double- Triple Trees, 6-4 Horse Hitches.

Milk Equipment

Slang Diesel - Agway Vacuum Pump, 2-55 Lb. DeLaval Milker Units, Like New With Large Claws 2-SS Strainers, Extra Pail, 400 Gal. Dari-Cool Milk Tank.

Cow - Heifers - Barn Equipment

Guernsey Milk Cow- Fresh Dec. 10, 1991- Fifteen Month Old Heifer- Heifer Calf. Feed - Grain Carts, Cow Chains, Stewart Clipper, Fork - Brooms.

Feed

App. 25 Ton Ear Corn, 10 Ton 3rd Cutting Alfalfa, Top Quality, No Rain, App. 9 Ton, 2nd 4th Cutting, No Rain.

Farm Machinery

New Holland Mower On Chassis, 45 Hp. A.C. Engine With Complete Hyd. Set Up, 2 Way Plow Steel Bottoms, 2 Bottom Trailer Plow, John Deere Disc Harrow, Spring Tooth Harrow, 2 Single Roller Cultipackers, 2 Two Horse Cultivators, 16 Inch Papec Ensilage Cutter With Shredder Bars, Extra Knives, 200 Gal. Boom Field Sprayer With 2 HP Engine, New Idea Transplanter, Grain Drill With Disc Openers, Bale Elevator, Hyd. Unit With 8 HP Engine, New Idea No. 10 Corn Picker, 2 Gravity Wagons, 2 Flat Bed Wagons, Weeder McDeering Corn Planter, New Idea 206 Manure Spreader, Like New, 5 HP Portable Air Compressor. 4 Forecarts, 1 With Steering And Brakes, 2 Minnick Tobacco Presses, Portable Lincoln Welder, 165 Gal. Fuel Tank w/Pump, Allis Chalmers 50 HP Tractor Wide Front On Steel With Pulley, Wagon Load Small Items.

Owners,

DAVID S. & MARTHA KING

Auct. Steve
Steve Jr. Petersheim
215-593-2828
AU001349

Food On Premises

Public Auction Register

Closing Date Monday 5:00 P.M. of each week's publication

WED. JAN. 29, - 1PM, OUtstanding 117 Acre Lancaster County Farm. Located at 201 Royer Rd., Ephrata, PA , Lancaster County, PA. Ada S. Royer Estate T.Glenn Horst & Sons Aucts

FEB.

SAT FEB 1 - 9AM, Val. HH Goods, Antiques, Tools & Guns, between Rt. 30 and 340, turn off Rt. 30 on N. Ronks Rd., turn right on N Cherry Lane, Lanc. Co., PA, Nancy B. Renno, owners, Robert E. Martin and Jeffrey R. Martin, Aucts. and Randal Ranck, Appr

SAT. FEB. 1 - 9:30AM, Harness Shop Items, Livestock, Machinery. Owner Henry J. Yoder. Located Centre Co, 1 mi. E. Aaronsburg, PA, on RT 45, Turn N. on Kramer Rd, ½ mi. to Farm. Mark Glick Auct.

SAT. FEB. 1 - 2PM, 82 Acre Farm, located along Church Rd., 1 mi. N. of Richfield, Snyder Co., PA, Amos K. and Mabel H. Martin, owners, Nevin Martin and Andrew Martin, Aucts.

SAT FEB 1 - 5PM, 6th Annual Consignment Auction of Farm Toys and Toy Trucks at the New Holland Fire House on E. Main St., Dale Stoltzfus, Auct.

MON. FEB. 3, C.A.G. Farms, Inc. Dispersal-Potato-Sod-Spinach-Pickle-Carrot-Grain Equipment and Irrigation Lines, located Massey, MD, Kent Co , Charles A. Gemberling, owner, Pirrung Auctioneers, Inc., Aucts.

TUES. FEB. 4 - 9AM, Horses, Heifers, Farm Machinery, Welding Machine Shop Items. Owners Abram S. Fisher. Located Centre Co, Midway Between Madisonburg & Rebersburg, PA, Turn S. off RT 192 Onto Old Pike Rd, 1st Farm. Mark Glick Auct.

TUES. FEB. 4 - 6:30PM, Wholesale Furniture. A&C Diffenbach Auction Inc., 100 West Jackson St., Box 186, New Holland, Pennsylvania 17557. Alan Diffenbach Auct.

WED. FEB. 5 - 6:30PM, Winross Truck & Toys. A&C Diffenbach Auction Inc., 100 West Jackson St., Box 186, New Holland, Pennsylvania 17557. Alan Diffenbach Auct

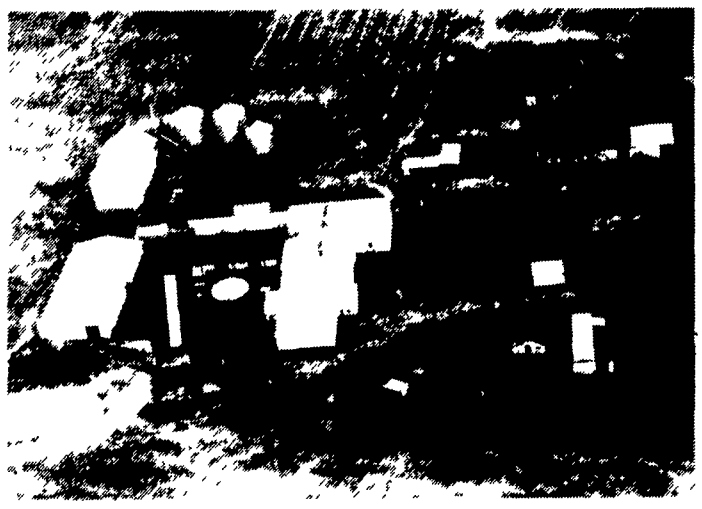
FRI. FEB. 7 - 1:30PM, Pigs State Graded Sale, at Westminster Livestock Auction, Westminster, MD.

SAT. FEB. 8 - 9AM, Mules, Horses, Full Line Of Good Farm Equipment, Tools, Etc. Located 2½ Miles East Of Lancaster, 1 Mile Northeast Of Route 340 At 2008 Horseshoe Road, East Lampeter Twp., Lanc. Co., Pa. Owner, Paul Smucker. Diffenbach's Auct.

SAT. FEB. 8 - 9:30AM. 36 Head Holstein, Horse Drawn Machinery, Some Household. Owner Enos. J. Hershberger, Located Centre Co, 3½ mi E. Aaronsburg, PA, Turn S. on Fiedler Rd, 2nd Farm. Mark Glick Auct.

MON. FEB. 10, Potato and Grain Farm Equip., Auction for the Estate of Clyde Cross, Pike, NY, Wyoming Co., Pirrung Auctioneers, Inc., Aucts.

TUES. FEB. 11 - 9:30AM, Livestock & Farm Equipment. Located 3 Miles Northwest Of Intercourse, ¼ North Of Route 472 From Mascot Mill (Resslers). First Farm On Right Along Stumptown Road. Owner, Abram S. Stoltzfus. Diffenbach's Auct.



— AUCTION —

230 ACRE DAIRY FARM

COLUMBIANA COUNTY

FAIRFIELD TOWNSHIP — CRESTVIEW SCHOOL DISTRICT

We, the undersigned, will sell at Public Auction located 1 mile west of New Waterford, Ohio, on State Route 46 to farm or 2 miles East of Columbiana, Ohio, on State Route 14 to State Route 7 then 1½ miles South to State Route 46 (Columbiana-New Waterford Rd.) then East 1 mile to farm on

JANUARY 18, 1992 @ 11:00 A.M.

SHOW DATE JANUARY 4, 1992 1:00-4:00 P.M.

TERMS: Fifteen percent (15%) of purchase price down day of sale, balance due upon delivery of deed and title guarantee. This property sells without reservation to the highest bidder. If the above show date is not suitable please contact our office for an alternate date (216) 227-3236.

230 ACRES IN PARCELS

The following parcels will be offered separately and in combination, as well as in its entirety and selling the method bringing the most.

PARCEL #1: Consisting of 77 acres of land improved by a 2 story, 3 bedroom, frame home with 1½ baths, kitchen-dinette, large living room, partial knotty pine paneling, stone foundation, slate roof, oil forced air furnace, water conditioner, aluminum siding.

Also 40'x70' bank barn with 40'x60' and 60'x60' additions; Grade-A milk house; carousel milking parlor; Pole constructed 103 stall loafing barn with metal roof; 30'x60' machinery shed; 30'x40' machinery shed; 40'x60' machinery shed; 1 car detached garage; 40'x60' bank barn with slate roof and concrete block foundation; 3 phase electric;

PARCEL #2: 58.5 acres of land with road frontage on State Route 46. This parcel has been stripped and has been released spring of 1991.

PARCELS #3,4,5,6: Each containing 5 acres of land having 300 ft. each of road frontage.

PARCEL #7: Containing 58 acres of land with 740 ft. of road frontage.

PARCEL #8: Containing 10 acres of land with 650 ft. of road frontage.

PARCEL #9: Containing 4.4 acres of land with 460 ft. of road frontage.

PARCEL #10: Containing 3.9 acres of land with 550 ft. of road frontage.

HARVESTORES, GRAIN BIN, PIPELINE

The following equipment will be offered separately and as part of the combination of parcels and sold the method it brings the most.

20'x65' Harvestore silo; 25'x65' Harvestore silo and unloader; 5000 bu. Behler batch dryer; 2- 10,000 bu. bins; 60 ft. grain leg; 2-5 ton feed bins; 800 bu. bin; 1000 bu. bin;

DeLaval pipeline and vacuum pump system for an 8 stall carousel milking parlor - complete.

MIKE DEMCZYK CHAPTER 12 TRUSTEE FOR
M. RALPH RUPERT, OWNER

JIM BAER AUCTIONEER/REALTY (216) 227-3236
KEN BAER AUCTIONEER/SALESMAN
GORDON KOEHLER AUCTIONEER/SALESMAN
BILL BAER APPRENTICE

RENTZEL'S AUCTION BARN

WEDNESDAY, JANUARY 1, 1991

8:30 A.M.

FURNITURE, COLLECTIBLES, COINS, PERSONAL PROPERTY

LOCATED: 1 1/10 Mile North Of Manchester, PA, Along Rt. 181, Turn Right At Gray Rock. Watch For Signs.

8:30 A.M. Small Items
12:00 P.M. Coins
1:30 P.M. Furniture

TERMS: CASH OR GOOD CHECK
Office: 764-6412
Auction Barn: 266-7200

Rentzel's Auction Service
Blaine & Nevin Rentzel
Larry Rutt #RH-000026-L

"HORST AUCTION CENTER"

PUBLIC SALE

Antiques, Collectibles, Toys & Dolls

NEW YEAR'S DAY, JANUARY 1, 1992

at 3 P.M.

Sale to be held at the Horst Auction Center located at the corner of Rt. 322 & Durlach Rd. (approx. 2 miles west of Ephrata), Ephrata, Lanc. Co., Pa.

— Furniture —

Antique Grandfather's clock (painted wooden dial, broken arch top); 7 spindle hoop back Windsor chair; Sheraton arm chair; (2) Federal wall mirrors; rope bed; wood chest. **Walnut:** dropleaf ext. table; sideboard; fine knockdown wardrobe. **Victorian:** parlor suite; love seat; gentleman's chair. **Oak:** fine rolltop desk (S roll w/44 drawers); dressers; parlor table; high back bed; library table. Doctor office cabinet; Edison disc phonograph; thick Edison records; dresser box w/drawer; small mahogany box; stained glass floor lamp; child's push sleigh; reed baby carriage; table top desk; Federal brass andirons.

— China & Glassware —

Flow blue pitcher; red spatter sugar bowl (chipped); transfer china; Robinson Crusoe plate; sandwich glass plates; yellowware bank; redware roach trap; miniature oil lamp.

— Tinware —

Fat lamp; wall mount candle box; cigar sign; brass peg lamp.

— Toys —

Buddy L railway express truck; Bennington & earthen marbles; cast iron horse & ice wagon; tin car (key wound); pedal car; paper mache; Hubley cap gun.

— 20 Dolls —

Effanbee Legend series (3); 18" Mae West; 1981 John Wayne, Betsy Ross; 6 - Shirley Temple; Hummel & others.

— Linens —

Framed sampler (1807); Log Cabin quilt; quilt patches & patterns; Oriental throw rug; tintype photo (Civil War soldier); oak splint basket (Orschbok & others); Winchester poster.

— Books —

The Clock Book (Wallace Nutting); Naval History of U.S.A. (1846); leather bound imprints; handwritten copy book (some drawings); atlas of Harrisburg, PA; Sheraton Furniture book; framed prints "Birthplace of Robert Fulton" 1854; "Fisherman".

— Tools —

Goosewing axe; 3 prong hay fork; wooden plane; axes. Sled; license plates; butcher bench & grinder; wooden boxes & barrels; barn door hinges & hardware; dated jars; and many other items to be sold!

No Out-Of-State Checks Unless Accompanied By A Current Bank Letter Or Prior Arrangement With Auction Service.

HORST AUCTS.
AU438L
T. Glenn
Timothy G.
Thomas A.
(717) 859-1331 - (717) 738-3080
Fax # (717) 738-2132
"VOICES OF EXPERIENCE

PUBLIC AUCTION

OF VALUABLE AFRICAN & NORTH AMERICAN TROPHY COLLECTION

ON SAT., JAN. 11, 1992

AT 9:30 A.M.

At Springetts Fire Co. Social Hall, 3013 East Market St., York, Pa. Selling at absolute auction for several Big Game Hunters & Collectors from Eastern Pa.

TROPHY COLLECTION

Full body mounted 6x6 Bull Elk with giant 50" spread - removable antlers, Massive 15" bases full curl Bighorn Sheep - head mount, Dahl Sheep Head mount over full curl, Heavy 12 year old Full Curl Stonesheep - head mount, Massive rare Desert Sheep with 15" Bases, 2 Additional Stone Sheep Head Mounts, Record Class 64" Spread Alaskan Moose - Head mount, Canadian Moose Head mount, Record Book Blacktail Deer Head mount with official score sheet, Monster Record Book Mountain Caribou Head mount with 64" Beans & 52" spread, Large 6x7 Bull Elk - head mount, Giant 7x7 Bull Elk - head mount with removable antlers, Full Body Mounted 29 Lb. Bobcat, Several Black Bear rugs with head & claws, Beautiful Grizzley Bear rug with head & claws, Very large Mule Deer head mount, Giant Mule Deer head mount with 30" spread, 2 other Large Mule Deer head mounts, Rare Whitetail Deer with summer coat & velvet antlers - head mount, 3 other Whitetail Deer head mounts with large antlers, Very large Antelope head mount, 9" Rocky Mountain Goat head mount, Black Bear head mount, Large Buck Fallow Deer head mount, Doe Fallow deer head mount, Fox Squirrel, Black Squirrel, Golden Pheasant, Cougar Full body mount, Shoulder mount of African Cape Buffalo, Water Buck & Gerenuk, Life size Bear on all 4's on rock, Caribou shoulder mount, Dahl sheep shoulder mount, Pa. wild turkey, Sage Grouse, Whole mount of porcupine, Grey squirrel, ring neck pheasant, also from Rhodesia & Kenya - shoulder mounts of Zebra, 2 Impala, Bushbuck, Wildebeest, Duiker, Klipspringer.

ANTLERS - HORNS - SKULLS - HIDES & MISC.

3 Sets of Caribou antlers, good selection of deer antlers, moose antlers, 5 sets of Elk antlers, Large African Kudu horns, many antlers & horns on skulls including Moose, Whitetail Deer, Corsican Ram, Cataline Goat, Pygmy Goat, African Impala & Gazelle, Fallow Deer, Wart Hog, Wilk Boar & others, also hides, skins & animal related items.

GUNS

Winchester Model 12 - 16 Ga. pump, T. Parker 12 ga. double barrel shotgun, Hamilton Rifle Co. No. 27 .22 cal., Remington 552 BDL Speedmaster .22 Semi auto, Savage .22 pump w/oct. barrel, Winchester Model 62 .22 pump, Stevens 32 long, Springfield Model 120 .22 cal., Winchester Model 121, .22 cal., Raven Model MP25 .25 auto pistol, Smith & Wesson Model 686 6" stainless .357 magnum, Taurus PT99 9 mm, The American 32 Revolver, also misc. African hunting books, magazines, Nikon F Model camera & telephoto lens, Argus C-3 Match-matic camera, and other wild animal related items. Majority of above listed items are in good to very good condition.

PREVIEW SHOWING: Friday evening, Jan. 10, 6:30 P.M. to 8:30 P.M. and 1 Hour prior to auction.

Not responsible for accidents on day of auction.

TERMS: Cash or Approved Check. No out of town or out of state checks unless accompanied by a current letter of guaranteed payment from your bank - PLEASE COME PREPARED.

AUCTION CONDUCTED BY
GILBERT & GILBERT, AUCTIONEERS
R.D.#1, WRIGHTSVILLE, PA. 17368
JACOB A. GILBERT, LIC. #336-
Tel. 717-252-3591
BRIAN L. GILBERT, Lic. #2256-
Tel. 717-252-1656

Public Auction Register

Closing Date Monday 5:00 P.M. of each week's publication

FRI. FEB. 14, State Graded Feeder Pig Sales at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA.

FRI. FEB. 14 - 9PM, Farm Equipment & Supplies. A&C Diffenbach Auction Inc., 100 West Jackson St, Box 186, New Holland, Pennsylvania 17557. Alan Diffenbach Auct.

SAT. FEB. 15, Farm Equipment, Tools, Stephen L. Martin, 295 S. Cocalico Rd., Denver, PA. Paul E. & Aaron E. Martin Aucts.

SAT. FEB. 15 - 9AM, Public Sale of Farm Machinery and Livestock located on Good's Road, 2 miles southwest of Hinkletown, 2 miles northeast of Farmersville, 1 mile off Farmersville Road. Terms by Ammon Z. Martin. Paul Snyder, Auctioneer.

SAT. FEB. 15 - 9.30AM, Selling All Kinds of Horses & Mules Located Belleville Lievestock Mkt, Belleville, PA. Mark Glick Auct.

SAT. FEB. 15 - 10AM, Farm Equipment, located along Sunnyburn Rd., Mt. Joy Twp., Lanc. Co., PA, Robert E. & Loraine D. Ginder, owners, Horning Farm Agency, Inc., Aucts

MON. FEB. 17, Major and Valuable Coin Auction for the Estate of Lester Eugene Reynolds, at the Coachlight Motel Banquet Room., Hornell, NY, Steuben Co., Pirrung Auctioneers, Aucts

TUES. FEB 18 - 9 30AM, Horse Drawn Farm Machinery, Horses and Holstein Heifers, located 1 mi. SW of Gap, rom Rt. 41 at town clock cross railroad bridge to stop sign, turn left on Mine Rd., follow Mine Rd. to Buck Hill Rd, 2nd road on left, turn left go to 1st farm on right, Sadsbury Twp., Lanc. Co., Elmer K Lantz, Sr, owner, Leon D Kurtz and J Omar Stoltzfus, Aucts

TUES. FEB 18 - 10AM, Full Line Of Modern Farm Equipment Located 8 Miles South Of Quarryville, 6 Miles North Of Oxford, Little Britian Road Off Route 222 East On Noble Road, Left On Spring Hill Road To Sale, Lanc Co, Pa Owners, Allen & Arlene Weaver. Diffenbach's Auct

WED FEB 19 - 9 30AM, Farm Machinery, 6 Head of Mules, A Few HH Goods, located Lancaster Co., PA 2 mi. W. of Whitehorse, David S. & Naomi Stoltzfus, owners, Steve and Steve, Jr. Petersheim, Aucts

THURS. FEB. 20 - 9:30AM, Full Line of Farm Equip and Mules, located between New Holland and Leola, turn off S of Rt 23 on S. Groffdale Rd., 1 mi., Robert E. Martin and Jeffrey R Martin, Aucts, Randal Ranck, Appr.

FRI. FEB. 21 - 9.30AM, Horses, Heifers, Farm Machinery, Dairy Equipment. Owners Ruebin Fisher. Located Centre Co, PA, 2 mi.E. Spring Mills, PA or 3 mi W. of Millheim PA, Turn S. off RT 45 (at White Church) 1½ mi tc Farm Lane Mark Glick Auct.

FRI. FEB. 21 - 9 30AM Real Estate & Farm Machinery. Located in Bedford Co. on Rt 26, 10 mi N of Everett, PA, 1 mi N of Smith School House toward Hopewell, PA Peggy D. Claycomb, Owner Art Kling, Auct.

FRI FEB. 21 - 1 30PM, Pigs State Graded Sale, at Westminster Livestock Auction, Westminster, MD

SAT. FEB. 22, Farm Equipment, Tools, Household Goods, Christian G High, 675 Schaeffer Rd, Lebanon, PA. Paul E & Aaron E Martin Aucts

SAT. FEB. 22 - 8 30AM, 14 Tractors, 10 Pcs Farm Equipment Loc along Rt 743, 2 mi S of Hershey, PA. Sale by Milton Hershey School Farms Aucts- Raymond Miller & Jim Hershey

SAT. FEB. 22 - 9AM, 10 Tractors, Full Line of Vegetable and Irrigation Equipment, located on Piney Hollow Rd., 2 mi N. of Downstown, NJ, The Estate of Jino Pioppi, Sr, Col Fred Daniel Auctioneers, Inc., Aucts

SAT. FEB 22 - 10AM, Complete Farm Dispersal of Vegetable and Irrigation Equip, located Cranbury, NJ, Jacob R (Jack) Zimmeister, owner, Pirrung Auctioneers, Inc Aucts

MON FEB 24, Farm Equipment, Tools, House hold Goods, Melvin L Horst, RT 419 - 3 mi N Schaefferstown, PA Paul E & Aaron E Martin Aucts

MON FEB 24 - 10 30AM, Potato Farm Equipment Auction for Jay Stauffer of Stauffer Farms, located Lancaster, PA, Pirrung Auctioneers, Aucts

TUES FEB 25 - North New Holland Ave, New Holland, Lancaster County, Farm Equipment, House hold Goods Owner Levi Huyard. Auct Steve & Steve Jr. Petersheim 215-593-2828

TUES. FEB 25 - 9AM, Late Model Tractors and Farm Machinery, Edwin Horning and Sons, Rentzel and Goodrich, Aucts

THURS FEB 27 and FRI FEB 28 - 8 30AM, Consignment Sale - Must have lising of what you want to sell by Jan 10, located 601 Musser School Rd, Leola PA 17540, Elias S Beiler owner, Robert E & Jeffrey R Martin and Blaine Rentzel Aucts

FRI FEB 28, Registered and Grade Holstein Dispersal Together w/Barn Equip and Produce, located Arkport, NY, Steuben Co Fay and Barbara Bennett, owners Pirrung Auctioneers Inc, Aucts

FRI FEB 28, State Graded Feeder Pig Sales at Carlisle Livestock Market, Inc Exit 12 East off I-81, Carlisle, PA

SAT FEB 29, Farm Equip & HH Goods, located 3 mi E of Lancaster, close to Eden, turn off Rt 23 on Pine Dr, at 2040, John and Miriam Spiker, owners Robert E Martin and Jeffrey R Martin, Aucts, Randal Ranck, Appr

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"VERE GARMAN BLACKSMITH SHOP"

PUBLIC SALE

COMPLETE BLACKSMITH SHOP, TOOLS & EQUIPMENT
MASTERSONVILLE
MON., DECEMBER 30, 1991
AT 9 A.M.

Located at 2227 Meadow View Road, Mastersonville, Rapho Township, Lancaster Co., PA. (Directions: Rt. 72 to Manheim, left onto Colebrook Road, Old Line Road, Colebrook, left at Hess's Store onto Meadow View).

BLACKSMITH SHOP EQUIPMENT & SUPPLIES

ANVILS (Various Sizes) & Many Harties; HEAVY IRON SHAPERS; Benders; Turning Lathe; Iron Cutter; Platform Scales; Electric Welder; Cone Forming Tools; Vises (Various Shapes & Sizes); Drill Press; Bench Grinder; 2 Brick Forges; BLACKSMITH TONGS (Lg. Amount), Many Shapes & Sizes; HAND FORMING TOOLS: Sledges; Acetylene Hose; Gauges; Tips; "Warm Morning" Wood Stove; Chains; Digging Irons; Tobacco Shear Blades; Horse Shoer's Box; Welding Rods; Pipe & Monkey Wrenches; Socket Sets; Wrenches; Bench Planes; "C" Clamps; Bar Clamps; Old Signs; Hand Made Barn Door Hinges & Rattail Hinges; Hand Operated Blowers; Wooden Wagon Wheels; Wooden Wheelbarrow; Wagon Shafts; Wagon Hardware; Wooden Shutters; WINCHESTER AMMO. BOXES; Iron & Steel Bars; Hand Well Pump; Pitcher Pump; Scrap Iron; Sled; Scooter; Quoits; ONE HORSE SLEIGH, Original Decorations.

No Out Of State Checks Unless Accompanied By A Current Bank Letter Or Prior Arrangement With Auction Service.

Terms By:
BLANCHE N. GARMAN

HORST AUCTS. AU438L
T. Glenn
Timothy G.
Thomas A.
(717) 859-1331 - (717) 738-3080
Fax # (717) 738-2132
"VOICES OF EXPERIENCE"

BANKRUPTCY AUCTION

SPRING FORGE TRADING CO.
PART II - FINAL AUCTION
BK. No. 1-91-02640
ON SAT., JANUARY 4, 1992
AT 9 A.M.

At Friendship Fire Co., 73 South Main St., Spring Grove, Penna. Liquidation of brand new inventory - good name brands consisting of clothing, fishing & hunting items, ammunition. The following to be sold at absolute auction to the highest bidder.

GENERAL MERCHANDISE

6 Flourescent hunting jackets, Camouflage shirts & pants, rain suits, coveralls, hats, socks, gloves, vests, Remington, Danner & Northlake boots, hunting coats, Approx. 25 Remington & Camillus knives, fishing lures & line, animal & bird calls & other misc. items.

AMMUNITION
HUNDREDS OF BOXES

32 Win. special, 35 Rem, 6mm Rem, 7mm-08 Rem, 30-40 Krag, 300 Weather Mag., 257 Roberts, 280 Rem, .243 Rem, .308 Win., 30-06 Springfield, .22 Hornet, .45 Auto, .38 Super auto, 12 Ga. Waterfall, 16 Ga., 20 Ga., 38 special, Rem. turkey & duck loads, .28 Ga., 30-06 Sprg. accelarator, 10 Ga., .223 Rem., .44 Rem MAG & others.

Not responsible for accidents on day of auction.
Doors open for inspection at 8 A.M.
AUCTIONEERS NOTE: Absolute auction, come prepared to buy.
TERMS: Cash or Approved Check. - AUCTION CONDUCTED BY GILBERT & GILBERT, AUCTIONEERS

Jacob A. Gilbert, Lic. #336
Brian L. Gilbert, Lic. #2256
Auctioneers Tel. 252-1656

PUBLIC AUCTION

CONSIGNMENTS WELCOME
KIRKWOOD REPAIR SHOP
552 COOPERS DRIVE
KIRKWOOD, PA. 17536
CONSIGNMENTS WELCOME

FRIDAY, JANUARY 3, 1992
9:00 A.M.

NEW & RECONDITIONED EQUIPMENT IN GOOD SHAPE

LOCATED: Take Rt. 472 South from Quarryville, Turn East on Maple Shade Rd. at Kirkwood Post Office, Go 1 Mile to Coopers Drive (2nd Right), Continue 1/4 mile to sale.

Farmall 450 Tractor, 2 - Farmall M Tractors - Need Work, Brillion 8' Seeder - Real Good Condition, **6 MOWERS** - 3 New Holland 455, 2 - Int. Pitmanless, 1- 7' MC Ground Drive, **9 TEDDERS** - 2 Nickelson Low Wheel, 2 - High Wheel Nickelson, 3 Grimm Tedders, 1 Pipe Bar Nickelson, 1 - 2 Star Gyro Tedder for Parts, **7 CRIMPERS** - 2 N.H. 402 Crimpers, 2 N.H. 401's, 1 Cunningham, 1 AC Crusher, **4 RAKES** - 1 N.H. 56, 2 N.H. 55, 1 Farm Hand, **3 DISKS** - 1 J.D. 24 Blade KBA w/New 20" Blades - Rebuilt, 2 J.D. KBA w/ Good Blades, **10 PLOWS** - 3 Oliver 12", Oliver 14", J.D. 12" & 14", **10 CULTIPACKERS** Brillion 8', 9', & 10' Rebuilt w/ New Brg's, New Bartville Welding Cart, New Aluminum Loader for Corn Binder, New Cosmo Fertilizer Spreader, 32' Little Giant Elevator, Smucker 5' Roto Beater, 2 Ground Drive Corn Binders, New Holland 68 Baler, Vicon Fertilizer Spreader, 2 - 1 Row Cult., Lely Ground Drive Fertilizer Spreader, Gehl Roto Beater, Dellinger Cutter, 8' & 9' John Deere Harrows, N.I. 323 Corn Pickers w/Eng., Int. 1 PR Corn Picker, Papec Cutter, Plow Packer, Gehl 600 Harvester, N.I. Roto Beater, MC 1 Horse Binder to open fields, 3 Phase Kohler Gen. 55 K.W., 3 - 4 Cyl. Wisconsin Engines w/Clutches, Over 100 Wheels for Pickers, Plows, Wagons, Mowers, Rakes, Tedders, Tractors & Etc., Rubber & Steel Wheels, Plow Bottoms, Disk Parts, New & Used Hand Tools, Steel, Pipe, PTO Shafts, N.H. Mower Parts, Pulleys, and many more items.

NOTE: Cleaning out all corners of surplus & used parts. Kirkwood Repair Shop is changing owners and will still be in business for your equipment needs and repairs. Sam Zook & Family are moving to Indiana and he is selling all his excess parts and equipment.

TERMS: CASH OR GOOD CHECK. FULL SETTLEMENT SALE DAY.

SALE FOR:
KIRKWOOD REPAIR SHOP
Samuel K. Zook
552 Coopers Drive
Kirkwood, PA 17536

AUCTION CONDUCTED BY:
Rentzel's Auction Service
Blaine & Nevin Rentzel
Emigsville, PA
(717) 764-6412
PA Lic. #761 & #2483
ASST. - Dennis Wolgemuth
LUNCH STAND

PUBLIC AUCTION

RIDGE FIRE CO. BLUE ROOM
Britains Figures - Farm Toys - Wind Up And Battery Operated Toys
10 AM SATURDAY, JANUARY 4, 1992
Along Rt. 23, between Phoenixville, Pa. and Rt. 100.

PREVIEW FROM 8 AM AUCTION DAY ONLY

Good lead soldiers and figures! Britain, Heyde (WWI Field hospital) Mignot WWI French army trucks, Barclay and Manoil five and dime store soldiers. Farm Toys: Slick Oliver 77 plus two different Oliver balers. John Deere tractor plus John Deere combine and other implements, IH tractors, spreaders and various equipment. Ideal corn picker, Dinky Fordson in box. Marx farm set in box, red Lionel No. 8 passenger set in box, Hubley No. 5 racer w/lift up hood, Lionel clockwork boat, Donald Duck hand car, steam toys and accessories, Strauss Ham and Sam, cap guns. Girard Transcontinental airplane. Many wind-up and battery op. toys. Wyandotte, Tonka, Hess training van.

10% buyers premium on toys and trains. Send us a stamped, addressed envelope for a listing of all the lots to be sold.

PUBLIC AUCTION

RIDGE FIRE CO. PAVILION
Clocks - Antiques - Imari
Country and Victorian Furniture
10 AM SATURDAY, JANUARY 4, 1992
Along Rt. 23, Between Phoenixville, Pa. and Rt. 100.

Lebanon Co. grandfather's clock by Charles Coope, having dovetailed cherry case w/rosettes and beveled glass in doors - moon face dial, operating condition Fully restored Terry Patent clock by Mark Lane, Southington Conn. walnut and oak gingerbread clocks, OG clocks, alarm clocks and old clock parts. Red - Green - Blue jacquarad loom coverlet by Jacob Schnell near Shrewsberry, York Co. Ad 1861. Other patchwork quilts in nice shape Carved maple 20th cent. Queen Anne JB Van Sciver high boy, Walnut secretary. Several pcs. Victorian furniture in the rough, including white marble topped bureaus. Lg. oak "C" roll top desk - holds everything! Eastlake White marble top parlor table, Eastlake rose marble top parlor table. Victorian carved and tufted sofa Several nice sets of antique audirons.

WONDERFUL COLLECTION OF IMARI PLATTERS, PLATES & BOWLS

TED MAURER (AU-000593-L)

Successful Auction Management
1003 Brookwood Dr., Pottstown, PA 19464
PHONE (215) 323-1573 or 367-5024

Public Auction Register

Closing Date Monday 5:00 P.M. of each week's publication

SAT Feb 29 - Farm Equipment Located 158 Spook Lane, Brecknock Township off RT 625 1 mi S of Bownmansville Ira Martin Owner Paul W Horst & LeRoy S Horst Aucts

SAT FEB 29 - 8 30AM, 18th Annual Public Sale to be held at the Strasburg Fire Co , 46 W Main St Strasburg, PA, By the Strasburg Fire Co #1, Local Auctioneers

SAT FEB 29 - 9AM, Gas Engines, Oliver Tractors Farm Equipment Located 1227 Mohnton Rd , Manheim PA, Lancaster County Wayne & Esther Ruhl John D Stauffer Auct

SAT FEB 29 - 9 30AM 6 Work Horses, 34 Dairy Cattle, Farm Machinery Owners Peter Vand Susan Smith Located Huntingdon Co , PA, 3½ mi N of Water St, PA , On RT 453, Turn W on Sinking Valley Road, 3½ mi to Farm Mark Glick Auct

SAT FEB 29 - 9 30AM Lloyd Wenger Collection of 100 JD 2 Cyl Tractors, Parts, Toys, Misc , Blaine Rentzel, Dennis Polk, Aucts

MAR.

MON. MAR. 2, Farm Equipment, Tools, Ray Weaver, RD1, #1 Newmanstown, PA (Along RT 419) Paul E. & Aaron E. Martin Aucts.

WED. MAR. 4 - 6:30PM, Winross Truck & Toys. A&C Diffenbach Auction Inc., 100 West Jackson Street, Box 186, New Holland, Pennsylvania 17557. Alan Diffenbach Auct.

THURS. MAR. 5, Full Line of Farm Equip. & Feed, located ½ mi. N. of Rt. 23, in Leola, on 37 Quarry Rd., Leola, PA, John and Rick Groff, owners, Robert E. Martin and Jeffrey R. Martin, Aucts., Randal Ranck, Appr

THURS MAR. 5 - 9AM, 16 Tractors and Big Line of Late Model JD Farm Equipment, New Freedom Rd., Medford, NJ, for Medford Stock Farms, owners, Col. Fred R Daniel Auctioneers, Inc., Aucts.

FRI MAR 6, Farm Equipment, Shop Tools, Antiques, located along Furnace Hollow Rd., ½ mi. S. of Walnut Bottom, Cumberland Co., PA, Christ Z. Nolt and Tony Showers, owners, Andrew Martin and Nevin Martin, Auctioneers.

FRI. MAR. 6 - 9AM, Spring Machinery Auction. Located Belleville Livestock Market, Belleville, PA. Mark Glick Auct.

FRI. MAR 6 - 1:30PM, Pigs State Graded Sale, at Westminster Livestock Auction, Westminster, MD.

SAT. MAR. 7 - 8:30AM, Consignment Farm Equipment by Messick Farm Equipment. Loc. along Rt. 183, take Rheems exit, Elizabethtown, PA. Aucts-Raymond Miller & Jim Hershey.

SAT. MAR. 7 - 8:30AM, 28th Annual Bart Twp. Fire Co. All Day Sale, located at Rt. 896 Georgetown, PA, in the village of Georgetown, local auctioneers.

SAT. MAR. 7- 9AM, Tractors, Combine, Trucks, Backhoe, Farm Equip., Antiques, Collectables, Misc & House Items, Mundis Race Rd., York Co., PA, Thomas Brothers, owners, Melvin Haines, Ralph Brenneman, Aucts.

MON. MAR. 9 - 9AM, Farm Equipment, Consignments Welcome, located Lebanon Area Fairground, Leb Co., PA, Lebanon Valley Auction Co., Inc., Aucts.

THUR. MAR. 12, Farm Equipment, Tools, Butchering Equipment, Samuel W. Demey, RD 5, #5 Harrisburg, PA. Paul E. & Aaron E. Martin Auct.

THUR. MAR. 12 - 11AM 12th Annual PA World Relief Heifer Sale Mel Kolb Sale Sale Barn, Lancaster PA.

FRI. MAR. 13, State Graded Feeder Pig Sales at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA.

FRI. MAR 13 - 9AM, 8 Mules, 60 Head Holstein, Full Line Machinery, Some Household. Owners Enos King. Located Centre Co, ½ mi. S. Rebersburg, PA at Smullton. Mark Glick Auct.

FRI. MAR. 13 - 9AM, Farm Equipment & Supplies. A&C Diffenbach Auction Inc., 100 West Jackson St., Box 186, New Holland, Pennsylvania 17557. Alan Diffenbach Auct.

PUBLIC SALE

Farm Machinery - Household Goods - Corn Silage - Six Tractors - 2 Field Queen Corn Heads Haylage - Few Antiques - Collector Tractors - Weaverline Feeder

Saturday, January 11, 1992

9:30 AM

Auction held on the farm in Lancaster County, PA - 2 miles West of Honey Brook on Mast Rd. From Rt. 322 go South on Churchtown Rd. at Service Station to Mast Rd. right, watch for sign on the right.

Five John Deere Tractors & Farmall H- Bobcat

John Deere 4020 wide front, power shift, year round cab, dual hyd. outlets; John Deere 830 Diesel, wide front, power steering, hyd. P.T.O.; John Deere 520 wide front, power steering; John Deere H with full set of cultivators, **John Deere B, unstyled in excellent condition;** Farmall H, good paint; circular saw, fits H. Auctioneer's note: These tractors are all in very nice condition; Bobcat skid steer loader.

Farm Machinery

John Deere 450 - Five bottom 16" plow; John Deere K.B.A. transport disc harrow; Tobben 5 tooth subsoiler; 2 section spring tooth harrow; John Deere 4 section rotary hoe; John Deere 11 ft. cultimulcher; 11 ft. single cultipacker; John Deere 2 bottom 14" trailer plow; John Deere 7680 four bottom 16" trailer plow; John Deere single bottom plow, pull type; New Holland 489 haybine 9'; Nickelson tedder; New Idea roller bar rake; New Holland 268 hayliner baler; 3 flatbed wagons, 1 wide tread; smoker 24 ft. elevator; 30 ft. mow conveyor w/motor; John Deere 716 forage wagon, 3 beaters, H-flow tires; John Deere 65 forage blower also new drum for 65, sells separate; Oliver 137 superior grain disc openers, very nice; New **Holland 679** manure spreader, tandem wheels, hyd. endgate; **John Deere 790,** right hand delivery tank manure spreader; Massey Ferguson 5 ft. rotary mower; Field Queen 3 narrow row corn head, 2 wide row head; single chain elevator, portable; spike harrow; 5 ft. bar mower Mc; dump rake; 4 bar side delivery rake; Oliver grain drill for parts; 8 ft. Pick up camper; 1979 Rabbit Volkswagen, needs body work.

Milk Equipment - Barn Equipment - Bed Chopper

Weaverline forage feeder S.S. sides; Wic bed chopper; 3 hay racks; 3 electric fencers; 4 circulating fans; metal gates; S.P. vacuum pump; Winco 20 K.W. back up portable generator; Hog feeder; chicken waterers; milk house supplies; silage - grain carts; DeLaval milker pails; gutter grates; calf hutches; gal. water trough; 2 fuel tanks, 500 gal. w/electric pump; 250 gal. w/hand pump; shovels; brooms; etc. 14x50 Harvestore silo, blue top with Ladig Junior grain unloader; 40 ft. haylage in 20x50 Harvestore; 45 ft. corn silage in 12x50 silo; 37 cow S.S. milk line with receiver jar; 37 cow Badger barn cleaner with complete unit; 360 gallon S.S. milk tank.

Tools - Household Goods - Antiques

Dishes; glassware; clothes tree; old 1800's night stand; picture frames; matching chairs; gooseneck chair; few pieces of furniture; lot of boxes to be sorted through; 2 Maytag wringer washers, 1 antique with Maytag foot medal engine; treadle sewing machine; 2 Syracuse walking plows; 2 horse carriage pole; shop full of old tools; misc. items not listed; window sash with blowed panes.

Owner:
ROBERT W. CAMPBELL

Auctioneer:
Steve
Steve Jr. Petersheim:
215-593-AUCT
Lic. #AU-001349-L

Food on Premises

Public Sale

SATURDAY, JANUARY 18, 1992

10:00 A.M.

Location - Take May Post Office Road south from the square in Strasburg 6 miles, turn right on Eden Road 1 mile to property. From Route 372 at east end of Quarryville, turn north on Groff Road then right on Eden Road, 2½ miles to sale. Eden Twp., Lanc. Co., Pa.

VALUABLE REAL ESTATE

Approximately 5.5 acres of land.

2½ story 8 room house, with vinyl siding. Enclosed and open porch, at rear of house. Large treated deck at front. 2½ baths. Large live-in basement with full bath and solar type window area. Insulated. Hardwood floors, except in kitchen. Coal and wood burning stove in basement for heating entire house. The house proper is only 2 years old.

Concrete block barn and workshop, 30'x56'; work area 28'x46' on two floors. Windows on 3 sides of work area. Two box stalls for horses. Storage room in basement.

1½ acre fenced pasture. 12 large covered individual game bird pens. Several small game bird pens.

10'x20' open front shed - 10'x16' storage barn.

Well - septic system and field.

Terms: 10% down day of sale, balance due within 30 days from day of sale.

WOODWORKING SHOP EQUIPMENT AND TOOLS

Petter 40 h.p. 4 cylinder diesel; Burlington, heavy duty 30" wide belt sander with hyd. motor, air and 12 volt controls; Jet CTAS150 10" tilting Arbor table saw with Biesemeyer T square fence and sliding table and hyd. motor; Jet VWP 20" planer; Sprunger 14" band saw; 36" cut-off saw;

Scheer 24" dove-tailer; Rockwell drill press with Mitre equipment; Delta 8' long bed joiner; Bridgewood BW 45 heavy duty spindle shaper with hyd. motor; Delta stock feeder with air motor; 36" wood lathe; 6"x42" edge sander.

Model 4C131 Dayton blower, belts, 70' of 8" duct work and dust collector.

Quincy 5 h.p. air compressor; 12½ gallon per minute hyd. pump; 20 gallon reservoir; oil cooler with hyd. motor; two 500 gallon air tanks; 275 gallon fuel tank.

Schneeberger pressure pot glue applicator; Black Bros. 8" glue applicator; Three Binks 2001 spray guns with pressure pots;

24" exhaust fan; 24' of 1½ " line shaft with pulleys and bearings; 16' of 1¼ " line shaft with pulleys and bearings.

Souix air screw gun; Souix ½ " air router; Stanley ¼ " air router; Rockwell ¼ " air router; Two Bostitch T-28 air staplers; Bostitch air nailer.

Air sanders; Air motors 4 and 6 A.M.; air hoses; air line regulators and filters; work tables; heavy duty lumber cart; dollies; carts.

All sizes of pipe clamps; C clamps; saw blades; router bits; shapers; cutters;

300 sets of Accuride full extension drawer slides; stains; hardware; etc.

Inspection of property anytime except Sundays.

Sale at 10:00 A.M. Real Estate 11:00 A.M.

STEPHEN L. ESH
OWNER

DIFFENBACH'S AUCTS. 225L
Phone 717-393-4464

David B. Diffenbach, Atty.

Lunch Available

300-350 HEAD
SPECIAL HORSE SALE
WORK HORSES
MULES
DRIVING HORSES

FRIDAY, JANUARY 3, 1992

AT NEW HOLLAND SALES STABLES, INC.
12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa.

Note: Tack Sale 9:00 A.M.
Wagons, Sleighs, Harness, Etc.
Horse Sale 10:00 A.M.

- 2 Loads Work Horses And Mules Consigned By Ward Wright.
- 2 Loads Work Horses and Mules Including 5 Pr. Mules 3 to 6 Yrs. Old Good Broke; 2 Pr. 2 Yr. Olds, Stand 15 Hands, Green Broke, Consigned By Bill Pope.
- 1 Load Work Horses And Mules Consigned By Bud Leonard.
- 1 Load Work Horses And Mules Consigned By Shy Tipton.
- 1 Load Work Horses Consigned By Billy Meadows.
- 1 Load Driving Horses Consigned By Elam B. Stoltzfus, Clayton Waterberry, Jonas Beiler And Reuben Stoltzfus.
- 1 Load Top Mules From Tenn., Real Good Broke, Consigned By Tom Madely.

Plus Many More Consignments By Sale Time.
For more information call:

Norman or David Kolb- 61L
717-354-4341- Barn • Home- 717-397-5538
FAX# 717-355-0706

Next Horse Sale - Jan. 24 - 10 A.M.

HFH

REALTOR

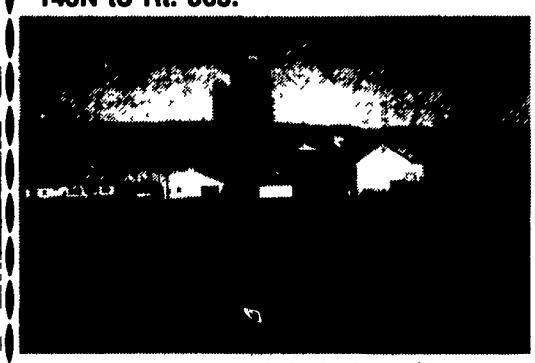
PUBLIC AUCTION

OF 100+/- ACRE FARM

SATURDAY, JANUARY 11th

@ 1:00 P.M.

Directions: From Reading take Rt. 61N to 22E. go 6 miles to Rt. 143 N. Lenhartsville. 9.7 miles to Rt. 863, turn right, cross bridge. 1st road left, look for signs: from Easton take Rt. 22 to Rt. 143N to Rt. 863.



PROPERTY CONSISTS OF: 1½ story frame dwelling; 1st floor has living room, Wieland kitchen, bedroom, powder room; 2nd floor has 4 bedrooms and full bath; large enclosed porch.

Agricultural easement sold off.

Bank barn and facilities to raise herd replacements.

Free stall barn with 102 free stalls; clay feeding system; 6 unit Surge milking parlor and farm office; 1250 gallon Surge milk tank.

Silos: 20x32, 20x60 & 25x90 Harvestores two with Goliath unloaders; 24x80 Fickes, silomatic unloader. 25x45 Slurrystore. 80 acres tillable.

Terms: 10% day of sale; settlement on or before March 15, 1992.

Inspection by appointment call Horning Farm Agency, 215/286-5183.

Terms by:

RALPH W. & MARIE J. DIETRICH

Horning Farm Agency, Inc.
Alvin Horning AU-0433-L
Merle Eberly AU-2417-L
Main Street, Morgantown
215-286-5183

Public Auction

Every Fri.

5 P.M.
Furniture

Located: Green Dragon Market & Auction.
Antiques & Household Goods & Tools & Produce.
Consignment Welcome. Pickup Service Available. Call (717) 733-8192.

Wolgemuth Auction Service
Dennis #2357 Res. (717) 664-3893
Bob Res. (717) 665-6684

Green Dragon Livestock Sales

Located 1 Mi. N. On North State St., Ephrata

Sale Every Friday

11:00 A.M. Beef
7:00 P.M. Small Animal Sale.

200-300 Stocker & Feeders Every Friday. Regular Shippers Of Northern Cattle.

WALTER H. RISSER,
Prop.
Home 717-838-4318
Office 717-733-2444

Public Auction Register

Closing Date Monday 5:00 P.M. of each week's publication

ANNUAL PUBLIC SALE

Located 7 Miles South of Martinsburg, WV Or 14 miles North of Winchester, VA off Interstate 81, Take Exit #5 (Inwood) Route 51 East approx. 3½ miles East of Inwood, WV turn right at Shutts Cash Grocery - .2 of a mile to sale.

WEDNESDAY, JANUARY 1, 1992
AT — 9:00 A.M.

We will offer for sale approx. 30 farm tractors (various sizes and some with loaders), vehicles, approx. 250 pieces of farm equipment including round balers, square balers, haybines, plows, disc, rotary cutters and cultivators, shop tools and new 2 & 3 axle 2 to 10 ton trailers.

TERMS: Cash Or Good Check. Nothing To Be Removed Until Settled For. ID Required To Acquire A Bidding Number. All Announcements Sale Day Take Precedence Over All Advertising.

Open Daily - Monday through Saturday, 8 a.m. until 5 p.m. Consignments Welcome, No Consignments taken on Sunday, Bring a load - Buy a load - Trade a load.

EDGAR A. BOHRER, SALE MANAGER
WV LIC. #18, 304-229-8354

Not Responsible For Accidents On Premises.

Lunch Rights Reserved

Dairy and Livestock Sales

FRI. MAR. 14 - 1:30PM, Pigs State Graded Sale, at Westminster Livestock, Westminster, MD.

THUR. MAR.19 - 9.30AM, Machinery, Dairy Equipment, Some H.H. Owners Ernest F. Adams Located Snyder Co., PA, Midway Between Beaver Springs & Beavertown, PA. Mark Glick Auct.

SAT. MAR. 21 - 8.30AM, 4th Annual Bart Twp. Fire Co. Building Material Sale, located at Rt. 896, Gerogetown, PA in the village of Georgetown, local auctioneers.

TUES. MAR. 24 - 9AM, Quilt, Craft & Buggy. A&C Diffenbach Auction Inc., 100 West Jackson St., Box 186, New Holland, Pennsylvania 17557. Alan Diffenbach, Auct.

TUES. MAR. 24 - 12 Noon, 85 Head Reg Ayrshire Dairy Head, James W. Martin, 215 N. Line Rd, Stevens, PA, Paul E & Aaron E. Martin Auct.

WED. MAR 25 - 9AM, Quilt, Craft. A&C Diffenbach Auction Inc., 100 West Jackson St, Box 186, New Holland, Pennsylvania 17557. Alan Diffenbach, Auct.

FRI. MAR. 27, State Graded Feeder Pig Sales at Carlisle Livestock Market, Inc, Exit 12 East off I-81, Carlisle, PA

APR.

WED APR. 1 - 6:30PM, Winross Truck & Toys. A&C Diffenbach Auction Inc., 100 West Jackson St., Box 186, New Holland, Pennsylvania 17557. Alan Diffenbach, Auct.

FRI. APR. 3, State Graded Feeder Pig Sales at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisles, PA.

FRI APR. 3 - 1:30PM, Pigs State Graded Sale, at Westminster Livestock Auctions, Westminster, MD.

SAT APR. 4 - 9AM, Antiques, Collectibles, Farm Tractors, Butcher Equip., located South of Myerstown, PA, Leb. Co., Mary Yingst, owner, Dwight D. Miller, Auct.

TUES. APR. 7 - 6:30PM, Wholesale Furniture. A&C Diffenbach Auction Inc., 100 West Jackson Street, Box 186, New Holland, Pennsylvania 17557. Alan Diffenbach, Auct.

WED. APR. 8 - 3PM, Easter Lamb & Goat Sale. Located Belleville Livestock Market, Belleville, PA. Mark Glick Auct.

PIGS

STATE GRADED SALE
FRI., JAN. 3
1:30 P.M.
AT
WESTMINSTER
LIVESTOCK AUCTION
Westminster, MD
Phone (301) 848-9820

NOTICE OF TIME CHANGE
(HAY SALE)

At Goods Auction, 111 North Maple Ave., Leola, Pa.
Starting Jan. 1, 1992
(New Year's Day)
Hay And Straw Sales Will Start
At 10 A.M. Every Wed.
Goods Auction

PUBLIC AUCTION

• • PUBLIC AUCTION • •

VALUABLE FARM EQUIPMENT; SKID LOADER CATTLE & GRAIN TRUCKS & DAIRY EQUIPMENT

Friday, January 3, 1992 at 10:30 A.M.

Exit off the Northeast ext. of turnpike at Lansdale exit, turn E. onto Rt. 63 go .2 mile, then follow Rt. 63 left for another 2 miles to Hatfield Quality Meats sign, turn onto Funk Rd. go .7 mile, turn R onto Derstine Rd, go 1 mile to 1st farm on right, Montgomery Co., Pa.

TRACTORS

JD 4230 w/pwr shift, 4 post roll guard, 3870 hrs; JD 2440 w/2660 hrs & JD #175 frt end loader w/6' bucket; JD 1020 w/143 loader; Farmall 966 w/overhauled TA & major engine repairs, 3pt & 20.8-38" radials; Farmall 806 w/3pt; Farmall M; Farmall H tractor.

TILLAGE & PLANTING

Int. 720, 5-18" auto reset pl; Ford 3PT 3 bottom trailer plow and 8' cultipacker; JD #215-14' dual wheel transport finishing disc; JD 8' transport finishing disc; JD 7000 conservation 4 r c planter w/squeeze pump & computer trak 100 monitor; JD 8250 17 dbl disc grain drill w/grain, fert & grass seed.

HAYING

JD #1327 disc mower conditioner; Kuhn dbl swath PTO tedder; JD 660 rake w/dolly wheel; JD 336 baler w/ejector; Oliver 620 roto flow feed wire tie baler; 2-8'x18' metal bale side wagons; Farmec 22' bale & c elev.

FORAGE

JD 3940 forage harvester w/pick up & one r c head; 2- JD 714-A and 716-A three beater forage wagons w/roofs & 10 & 12 ton tandem axle chassis; JD #65 blower.

COMBINE

JD 6620 Hillside hydro, (nice); JD 213 flex head; JD 444 c head; Gleaner Model F self propelled combine w/13' grain head & 4 r n corn head.

TRUCKS

1972 Int 1700 Loadstar, 33,000 lb GVW, w/Midwest 18' grain dump body; 1961 Int. 1800 Loadstar, 26,000 lb. GVW, w/14' metal dump body (no inspection); 1984 Ford F-250 w/auto trans, 5/.8 litre engine, 58,000 miles; 1977 Chev. 30 w/11' Eby alum body w/box for winch, 92,000 miles.

SKID LOADER

Bob Cat 610 w/manure fork & 7' bucket.

MISC.

Woods 3 pt. 72" rotary mower; Woods 3 pt. 80" rotary mower (needs gear box); Martin 1666 manure spreader w/frt or rear discharge; JD 2-14" trl pl; 2- Smoker 125 bu gravity wagons; 10 ton leg metal feed bin; Brillion 12' transport roller harrow (needs help); Forney 180 AMP elec. welder; Fidelity 35 KW, PTO transport generator; NI 223 (2) 2 roll mounted husker.

DAIRY EQUIP.

Herringbone dbl six milking parlor & Surge pipeline w/power panel, electrobrain; Surge hy pressure washing pump; Alamo #75-6 unit milker compressor; 3 hp refrigeration comp; 80 gal. hw heater; 22- Jamesway comfort stalls & water bowls; 90 Surge free stalls; Patx barn cleaner & chute, approx. 200' chain, & 3 hp motor; P&D 90' rubber belt forage feeder; Harvestor 90' bunk feed trough; 2- Patz 25' & 30' feed elev's; asstd. cattle gates; lot of metal fence posts.

STRAW

200 bales wheat straw.

Terms- Cash or acceptable check, out of state checks must be accompanied by current bank letter of credit stating amt. to be spent.

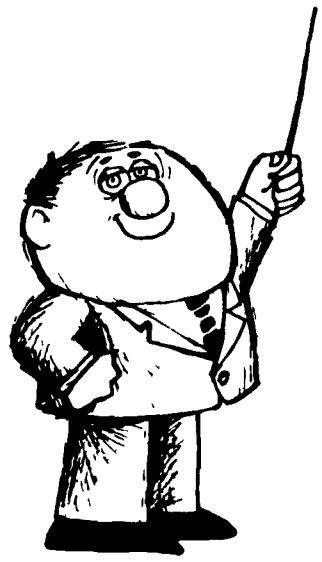
Refreshments available

For JOHN & PAUL ROHR

Conducted by Ralph W. Zettlemoyer Auction Co., Inc.
(215) 395-8084
Pa. License #AU-001809-L

P.O. Box 215 • Fogelsville, PA 18051 • 215-395-8084 • License #AU001809-L

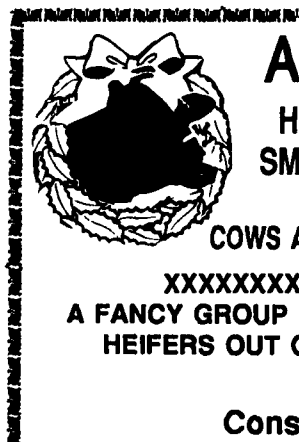
RALPH W **ZETTLEMOYER AUCTION** CO., INC



A LESSON WELL LEARNED...

Lancaster Farming's CLASSIFIED ADS GET RESULTS!

Phone: 717-394-3047
or 717-626-1164



ADVANCED NOTICE!!

HERD DISPERSAL TO BE HELD AT SMOKETOWN QUALITY DAIRY SALES

HERD AVERAGE 18,000 MILK
COWS AND HEIFERS MILKING FROM 50 TO 90 LBS.

XXXXXXXXXXX ALSO XXXXXXXXXXX
A FANCY GROUP OF REGISTERED VACCINATED OPEN HEIFERS OUT OF A 20,000 LB. HERD DISPERSAL
XXXXXXXXXX

Consignments Welcomed
TIME? and DATE?
To Be Announced Next Week's Issue

HAPPY NEW YEAR

Sale Managed By
SMOKETOWN QUALITY DAIRY SALES
Gordon & Helen Fritz
717-393-0930

Dairy and Livestock Sales

Public Auction Register

Closing Date Monday 5:00 P.M.
of each week's publication

FRI. APR. 10, Easter Lamb & Goat Sale, Receiving 7AM-11AM, Sale 12:30PM, Rabbits, Poultry and Fowl-9AM, Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA.

FRI. APR. 10 - 9PM, Farm Equipment & Supplies. A&C Diffenbach Auction Inc., 100 West Jackson St., Box 186, New Holland, Pennsylvania 17557. Alan Diffenbach, Auct.

SAT. APR. 11 - 9AM, Annual Farm & Contractors Equip. Auction, located 2 mi. E. of Bethel, PA, Berks Co., Dwight D. Miller, Auct.

FRI. APR. 17 - 1:30PM, Pigs State Graded Sale, at Westminster Livestock Auction, Westminster, MD.

FRI. APR. 24, State Graded Feeder Pig Sales at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA.

FRI. APR. 24 - 6PM, Special Heifer Auction. Located Belleville Livestock Market, Belleville, PA Mark Glick Auct.

MAY

FRI. MAY 1 - 1:30PM, Pigs State Graded Sale, at Westminster Livestock Auction, Westminster, MD.

SAT. MAY 2 - 9AM, Real Estate-130 Acre Farm w/Lg. Limestone House & Lg. Barn, Antiques, Collectibles, located 4 Mi. S. of Myerstown, PA, Leb. Co., Mary Yingst, owner, Dwight D. Miller, Auct.

SAT MAY 9 - 9AM, Equipment, Collectibles, HH, located Lebanon Co, Harold Demmy, owner, Dwight D Miller, Auct

FRI MAY 8, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA

FRI MAY 15 - 1:30PM, Pigs State Graded Sale, at Westminster Livestock Auction, Westminster, MD.

SAT MAY 16 - 9AM, Farm Equipment, Collectibles, HH, located Lebanon Co., Harold Demmy (2nd Sale), owner, Dwight D. Miller, Auct.

FRI MAY 22, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA.

JUN.

FRI. JUN. 5 - 1.30PM, Pigs State Graded Sale, at Westminster Livestock Auction, Westminster, MD.

FRI. JUN. 12, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA

FRI. JUN. 19 - 1:30PM, Pigs State Graded Sale, at Westminster Livestock Auction, Westminster, MD.

FRI. JUN 26, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA

JUL.

FRI. JUL. 10, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA

FRI. JUL. 26, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA.

AUG.

FRI. AUG. 14, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA.

FRI. AUG. 28, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA.

SEP.

FRI. SEPT. 11, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA.

FRI. SEPT 25, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc, Exit 12 East off I-81, Carlisle, PA.

OCT.

FRI. OCT. 9, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc, Exit 12 East off I-81, Carlisle, PA.

FRI. OCT. 23, State Graded Feeder Pig Sale at Carlisle Livestock Market, INc, Exit 12 East off I-81, Carlisle, PA.

NOV.

FRI. NOV. 13, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA.

FRI. NOV. 27, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA.

DEC.

FRI DEC. 11, State Graded Feeder Pig Sale at Carlisle Livestock Market, Inc., Exit 12 East off I-81, Carlisle, PA.

THURS. DEC. 25 - 11AM, State Graded Feeder Pig Sale - Sale Receiving 6AM until 9AM (Due to Christmas) at Carlisle Livestock Market, Inc, Exit 12 East off I-81, Carlisle, PA.

NOTICE

To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 5 P.M. Tuesday of each week's publication.

DEALER IN ALL KINDS OF LIVESTOCK
Also Crippled & Down Cattle

MARLIN S. IRWIN
Quarryville, PA
PH: 717-786-3016

NEW HOLLAND SALES STABLES, INC.

New Holland, Pa.
Located 12 Miles East of Lancaster, just off Rt. 23

WEDNESDAY, JANUARY 1, 1992
HEIFER SALE 11:00 A.M. — **FRESH COWS & HEIFERS 12:30**

HAPPY 1992 NEW YEAR

FREE **Pork & Sauerkraut Dinner To All Who Attend Wednesday's Sales** FREE

SPECIAL NEW YEAR'S DAY SALE

Special Mention:

12 Cows Out Of A Herd From New Jersey.

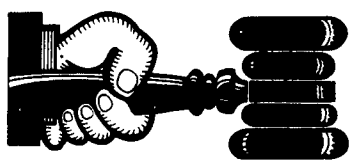
A Few Fresh Cows, Balance Due Jan. And Feb.

A Group Of Open Vaccinated Heifers.

Regular Run Of Locally Consigned Cows & Heifers

Loads Of Fresh Cows & Springers For Mel Brenneman, Alfred Albright, Leroy Smucker and Marvin Eshleman.

New Holland Sales Stables, Inc.
Barn 717-354-4341 **Fax 355-0706**
Norman & David Kolb, Mgrs. 61L
717-397-5538



AUCTIONEER'S DIRECTORY

HFA HORNING
Farm Agency, Inc.
REALTOR MLS

Alvin Horning — *Bus. (215) 286-5183*
Merle Eberly — *Res. (215) 775-3745*
Alpheus L. Ruth..... Res. (215) 944-7543
Real Estate • Auctions • Appraisals

John D. Stauffer
Auctioneers
1484 Mountain Road, Manheim, PA 17545
All Types of Auctions
Real Estate • Farm Equipment • Dairy
Household Goods • Antiques
Phone 717-665-5099

ROGERS COMMUNITY AUCTION INC.
Located 8 Miles East Of Lisbon, Ohio Or One Mile West Of Rogers, Ohio On St. Rt. 154.

FRIDAYS

Produce, Egg, Miscellaneous Auction Starts At 6 P.M.
Poultry Auctions Start At 7 P.M.
Doors Open At 7:30 A.M.
To Accept Consignments
Open Air Market All Day And Evening
Doors Open At 7:30 A.M. To Rent Market Spaces. Over 2.5 Miles Of Outside Concessionaries And 30,000 Sq. Ft. Under Roof.

WEDNESDAYS
Farm Machinery Consignment Auction

The FIRST WEDNESDAY EVENING OF EACH MONTH at 6 P.M. sharp.
We are open the preceding Tuesday of each sale day to check in consignments from 8 A.M. to 8 P.M. Handling farm machinery, lawn and garden equipment, tools, fire wood, cut lumber and related miscellaneous items. Five auctioneers operating simulatenously.

Hay And Straw Grain
EVERY WEDNESDAY
selling truck
load lots by the bale or ton
starting at 1 P.M.

Barn Opens at 8 A.M. to Consign
Jim and Ken Baer
Auctioneers and Managers
Phone (216) 227-3233 or (216) 227-3236
"Sales Every Week Since 1955"

Professional AUCTIONEERING
PAUL E MARTIN AUCTION SERVICE
AU-001901-L
Paul E. Martin 717-733-3511
Aaron E. Martin 717-738-4168
Ephrata, PA
SPECIALIZING IN
Farms - Farm Equipment
Dairy Dispersals -
Agri Business Auctions
Expect the same dependable service we've provided to Lancaster County and neighboring areas for the past 20 years.

Auctioneer:
Steve
Steve Jr. **Petersheim:**

COMPLETE AUCTION SERVICE
Antiques
Household Goods
Farm Equipment
Real Estate
215-593-2828

COMPLETE CHESTER COUNTY HERD DISPERSAL

At Shady Lane Dairy Sales, Inc. ¼ Mile West Of Quarryville, Pa. Off Rt. 372 Onto Oak Bottom Road

— 150 — HEAD OF HOLSTEINS — 150 —

TUESDAY MORNING, DEC. 31, 1991
11:00 A.M.

Herd Dispersal for Mr. and Mrs. William Lusby of Cochranville, Pa. 60 Head Of Mature Milking Animals With A Rolling Herd Average Of Over 18,000m (Official DHIA). Many 2 To 3 Year Olds Have Over 20,000m With Some Up To 24,000m. A Young Herd That Has Been Heavily Culled, With Some Really Nice Individual Animals. Also 35 Head Of Fancy Heifers Of All Ages, Including 13 Nice Bred Heifers. These Cows Will Work In Either A Tie Stall Barn Or Free Stall.

Also Selling The Same Day. 50 Head Of Fresh And Springing Cows From Local Dispersals.

SPECIAL MENTION - 18 Head Of Our Pick From A Herd Of Over 170 Head That Is Averaging 74 Lbs. Plus Per Cow. These 18 Head Are Either Just Fresh Or Due Very Soon. All Grades And Home Raised From a Top Va. Herd. Milking Up To 100 Lbs.

Another Herd Of 38 Head From New York State. These Cows Are Mostly All 2nd And 3rd Calf, Due The Year Round.

Sale Managed By: Shady Lane Dairy Sales Inc.
23 Shady Lane P.O. Box 673
Quarryville, Pa. 17566-0673

Glenn D. Fite 717-786-2750 — Fax 717-786-3250 — **David L. Fite** 717-786-1725

"Six Generations Of Sales And Service"

MILK AMERICA'S HEALTH KICK

MELVIN KOLB, INC.

is having a

SPECIAL COW SALE

to start off the new year!

THURSDAY, JANUARY 2, 1992

TIME: 11:00 A.M.

LOCATION: West of Lancaster on Dairy Road. Take Route 283 West to 741 West and go left at exit. Turn right at Flory Mill, go under railroad overpass and right on Dairy Rd. Barn is within sight of 283 West.

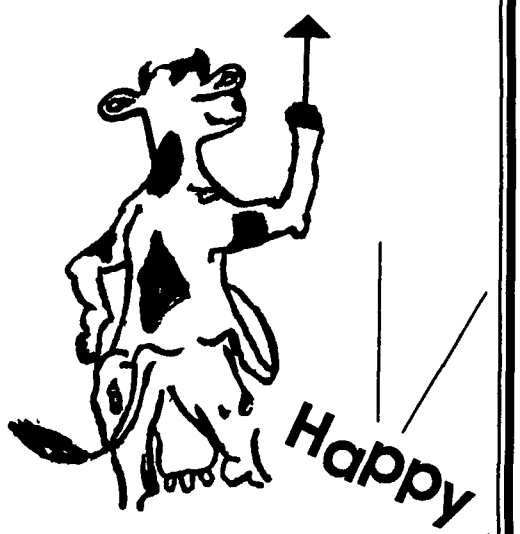
ESPECIALLY SELECTED FOR THIS SALE

175 QUALITY HOLSTEINS 175

50 Fresh Grade Cows from New England States
36 Fresh Grade Cows from New York States
25 Grade Cows picked from 1 herd in New York
25 Big Fancy Fresh First Calf Heifers
50 Herd of these cows milking up to and over 100 lbs. per day

NEW YEAR'S RESOLUTION!

Attend Mel Kolb's Sales Every Month Of 1992 For CHOICE HOLSTEINS



SPECIAL MENTION

- A Fresh STRICKLER MGM GAMBLER Dtr., Dam VG-88 BELL Dtr. 365 days 31,820 - 3.6 - 1140
- A Fresh HANOVERHILL STARBUCK Dtr., Dam GP CHAIRMAN Dtr. 305 days 24,180 - 761, next Dam GP 280 days 21,010 - 703
- A TORA MATT LANCER Dtr., Dam 305 days 19,428 4.7 910
- A CARNATION GLENVIEW JOE Dtr. 286 days 21,380 - 740, Dam VG-88 305 days 22,420 - 711
- A MISTY MOTIVATION Dtr. 280 days 14,120 3.8 - 536, Dam GP 18,876 - 721
- AN OCEAN-VIEW DIXIECRAT Dtr., Dam VG-88 SEXATION Dtr. 353 days 29,210 - 3.5 - 965, next dam GP WILLOW Dtr. 20,530 - 637
- A BIT-O-WIND STARWARS Dtr. due to CHAIRMAN
- A MODIK VALIANT COUNT Dtr. due sale time to BELL, Dam 305 days 19,980 4.0 791, next dam 305 days 21,000
- 3 BRIDON ASTRO JET Dtrs., one Dam VG-85 365 days 25,696 - 4.3 - 1111 3.7 prt, Next Dam VG 20,000 - 4.2, 3rd Dam GP 3 yrs. 21,097 - 3.7 - 770
- 2nd ASTRO JET Dtr. 289 days 18,832 - 613, Dam WARDEN Dtr.
- 3rd ASTRO JET Dtr. fresh at 3 yrs. milking 80 lbs.
- A HANOVERHILL JETHRO Dtr. fresh milking heavy
- A nice HILLTOPPER WARDEN Dtr. due to DELEGATE
- A LYLEHAVEN MYSTIC Dtr. VG-86 351 days 24,906 - 3.7 928, Dam EX-92 2E KIT BUILDER Dtr. 339 days 24,900 - 4.4 - 1084, 2nd Dam VG-86 TONY Dtr. 21,770 4.0 875 - 3rd Place Jr. Yearling E. National 1987
- A MIL-R-MOR TRUE VALUE Dtr. 14,863 - 4.2 14,863, Dam GP 16,587 3.6 - 514
- An OPPERMAN TONY Dtr., Dam 305 days 18,490 - 580, next Dam 305 days 20,900 3.2 - 666

2 Service Age Bulls:

- A HANOVERHILL STARBUCK Son, Dam EX-91 365 days 37,000 - 3.8 - 1417, next Dam EX-91 365 days 31,430 - 3.8 - 1191
- A DIXIE-LEE IVANHOE HENRY Son, Dam VG-87 365 days 33,040 - 4.3 1429, next Dam VG-87 305 days 26,570 4.7 1245 - Full Brother in Canada A.I.
- Several heifer calves from these good cows
- Many more good ones not in this ad. Will be cataloged for Sale.

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- New top-of-line bias-ply tractor rear, featuring our long bar/long bar design for tread stability, and heavy bar bracing to extend tread life.
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18.4-26, 10 Ply	$660.00
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24.5-32, 12 Ply	$1500.00
30.5L32, 12 Ply	$1840.00
35 5L32, 16 Ply	$3100.00
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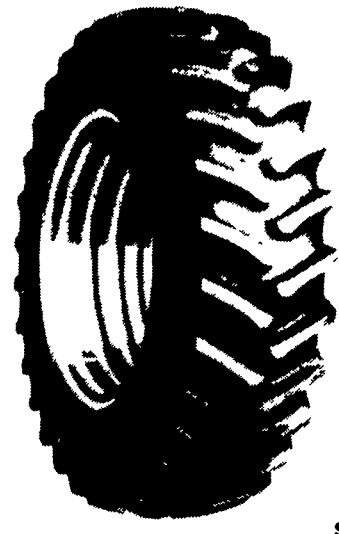
Firestone RADIAL ALL TRACTION 23°



20.8R38★ Special $740

24.5R32★	$960.00
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20.8R38★	$810.00
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18.4-16.1, 6 Ply	$337.00
8.3-24, 4 Ply	$105.00
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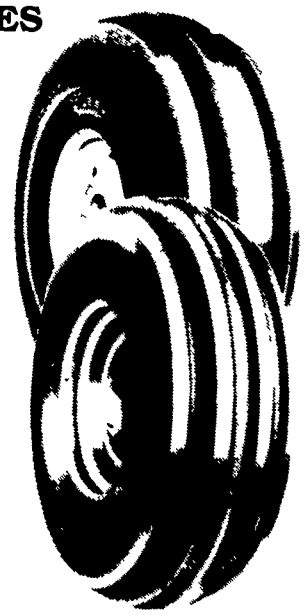
9.5-24, 6 Ply	$130.00
11.2-24, 4 Ply	$135.00
11.2-24, 6 Ply	$157.00
12.4-24, 4 Ply	$158.00
12.4-24, 8 Ply	$210.00
13.6-24, 4 Ply	$223.00
13.6-24, 8 Ply	$246.00
14.9-24, 4 Ply	$210.00
13.6-26, 6 Ply	$280.00
7.50x22, 4 Ply	$155.00
12.4-28, 4 Ply	$180.00
13.6-28, 4 Ply..Sale -See Above	~~$208.00~~
13.6-28, 6 Ply	$220.00
14.9-28, 4 Ply	$230.00
14.9-28, 6 Ply..Sale - See Above	~~$245.00~~
16.9-28, 6 Ply	$290.00
18.4-28, 6 Ply	$390.00
16.9-30, 6 Ply	$295.00
18.4-30, 6 Ply	$365.00
23.1-30, 8 Ply	$700.00
16.9-34, 6 Ply	$345.00
18.4-34, 6 Ply	$385.00
9.5-36, 4 Ply	$210.00
13.6-38, 4 Ply..Sale - See Above	~~$235.00~~
13.6-38, 6 Ply	$270.00
14.9-38, 6 Ply..Sale - See Above	~~$305.00~~
15.5-38, 6 Ply	$300.00
15.5-38, 8 Ply	$352.00
16.9-38, 6 Ply	$375.00
18.4-38, 6 Ply	$440.00
18.4-38, 8 Ply..Sale - See Above	~~$400.00~~
20.8-38, 8 Ply..Sale - See Above	~~$660.00~~
9.5-42, 6 Ply	$270.00
12.4-42, 6 Ply	$336.00
11.2-28, 4 Ply	$157.00
9.5-32, 4 Ply	$213.00
11.2-36, 4 Ply	$185.00
12.4-36, 4 Ply	$240.00
13.6-36, 4 Ply	$270.00
11.2-38, 4 Ply	$190.00
12.4-38, 4 Ply	$231.00
12.4-38, 6 Ply	$270.00

FRONT TRACTOR TIRES



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7 5L15, 6 Ply	$52.00
5 50-16, 6 Ply	$40.00
7 50-18, 6 Ply	$71.00
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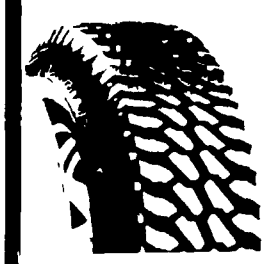
4 RIB

9 5L15, 8 Ply	$75.00
11L15, 8 Ply	$90.00
6 00-16, 6 Ply	$43.00
6 50-16, 6 Ply	$51.00
7 50-16, 8 Ply	$61.00
10 00-16, 8 Ply	$88.00
11 00-16, 6 Ply	$94.00
11 00-16, 8 Ply	$104.00
14L16 1, 6 Ply	$188.00

TRUCK TIRES



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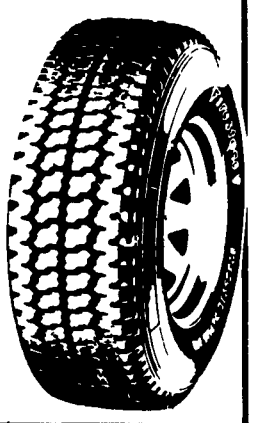
STEELTEX RADIAL 23°

LT215/85R16, 8 Ply	$120.00
LT235/85R16, 10 Ply	$130.00

STEELTEX ASR A/S



LT 215/85R16, 8 Ply	$110.00
LT 235/85R16, 8 Ply	$115.00
LT 235/85R16, 10 Ply	$118.00
LT 245/75R16, 10 Ply	$118.00
8 75R16 5, 8 Ply	$106.00
9 50R165, 8 Ply	$120.00

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27-850x15, 4 Ply	$57.00
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18.4R26★ ★	$665.00
13 6R28★ ★ ★	$418.00
14 9R28★ ★ ★	$510.00
16.9R28★ ★	$575.00
14.9R30★ ★ ★	$620.00
16.9R30 ★ ★	$610.00

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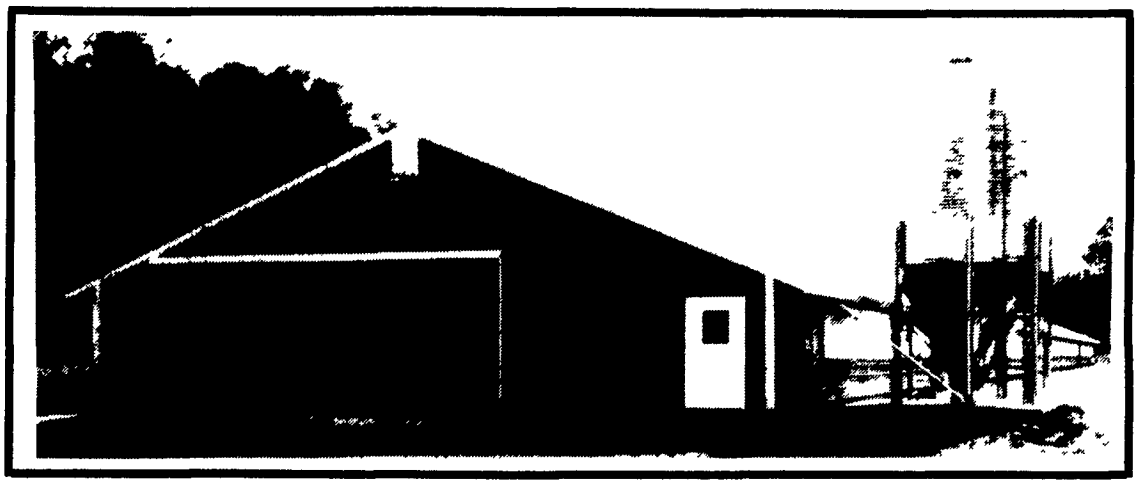
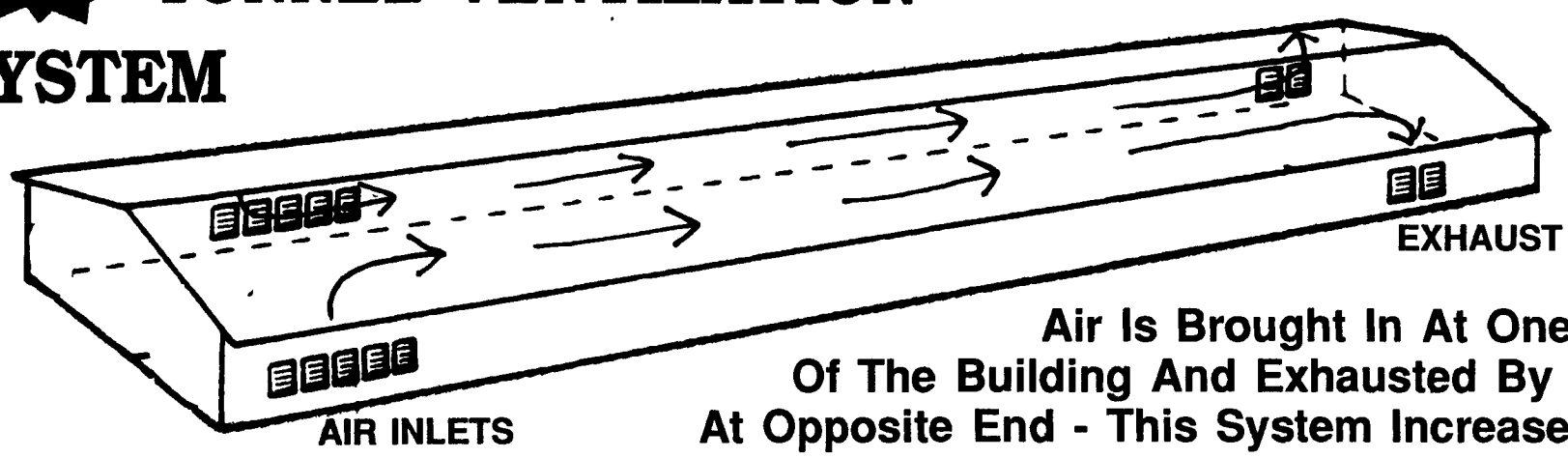
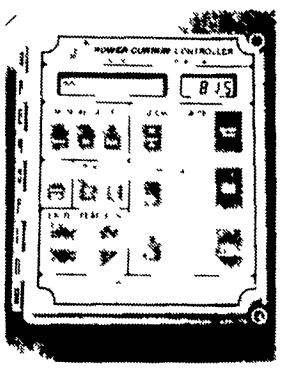


NEW TUNNEL VENTILATION SYSTEM



Air Is Brought In At One End Of The Building And Exhausted By Fans At Opposite End - This System Increases Air Speed To Achieve Maximum Cooling.

HIRED-HAND



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Livestock Ledger

By
Chester D. Hughes
Extension Livestock Specialist

WINTERING THE BEEF HERD

Managing the beef herd during the winter months can be an enjoyable and rewarding experience.

It's a time when much of the hustle and bustle of farm management has slowed. The cattle seem more content. They are closer to the barn for feeding and more available for observation.

Gestating cows are kinder and gentler. The herd bull is on vacation and weaned calves have adjusted to a new way of life.

Happiness is being fed, watered, sheltered, and properly cared for. A priority of proper care during the winter months is nutrition. I'd like to share with you some beef management tips offered by Harlan Ritchie of Michigan State University for winter feeding beef cattle.

1. If cows are still grazing crop residues, be sure they have enough to eat. If not, supplement accordingly.

2. For best results, divide herd into groups for winter feeding:

a. Weaned heifer calves.

b. First- and second-calf heifers and old, thin cows.

c. The rest of the dry herd.

d. Lactating cows with fall calves.

e. Herd sires.

3. Check winter rations. Use following as a guide:

a. Weaned heifer calves: full-feed hay, plus 5 pounds grain or 40 pounds corn silage, plus 1-1/2 pounds supplement.

b. Two-year-old pregnant heifers, thin three-year-olds and thin older cows: full-feed hay or 45 pounds corn silage, plus 1-1/2 pounds supplement.

c. Dry pregnant mature cows in good condition: 17-25 pounds hay or 15 pounds straw, plus 10 pounds hay or 40 pounds corn silage.

d. Lactating cows: full-feed hay or 60-75 pounds corn silage, plus 1-1/2 to 2-1/2 pounds supplement.

e. Herd sires: full-feed hay or silage (add grain to diet according to condition).

f. If feeding haylage instead of hay, figure 1 lb. hay same as 1-1/2 to 3 pounds haylage, depending on moisture.

g. In those areas where fescue is adapted and winters are relatively open, make maximum use of this grass for winter grazing.

4. Put priorities on winter forage supply, as follows:

a. Feed lowest quality forage to mature dry cows during early winter.

b. Feed highest quality forage to young stock and to lactating cows.

c. Feed medium quality forage to dry cows during late pregnancy and to mature herd sires.

Lambing For Profit

Profitability in a farm flock operation is closely correlated with the number of lambs weaned. The latter, again, is closely related to efficient lambing shed management.

Most farmers know from experience that the most critical time in a lamb's life is the first three days after birth. It is when the bond must be formed between the ewe and the lamb, to ensure that the ewe will feed and care for the lamb.

It is also the time when the lamb's own thermoregulatory system, or intemal thermostat, must develop to function efficiently in its new environment outside the ewe's body. It takes about three days for the lamb's new system to develop and reach its full functional ability.

Many lambs are physically just too weak to help themselves, and must get outside help to see them through their first three days of life. It is hard work and takes a lot of time and dedication, but it surely pays off.

Keep lambing ewes under 24-hour observation. Assist ewes where malpresentations (breech, head back, one or both front legs back, four feet presented, etc.) are apparent. Most ewes can lamb without assistance and should be given a chance to get the job done themselves. On the other hand, if a ewe has been in labor for up to an hour, she may need help.

Proper analysis of the situation will suggest corrective action which, if conducted with gentleness, cleanliness and patience, will usually result in a live lamb and little or no injury to the ewe.

Immediately after lambing, check the ewe's udder. Strip a stream of milk from each teat in order to remove the wax-like plug in the teat canal.

Use scourable paint (or any other system that works) to identify ewes and their lambs when they go into the jug. For the first two days after lambing, the ewe should be fed good quality roughage and water, but no grain. Feeding concentrates at this stage may produce too much milk and lead to problems for both ewe and lamb.

After the third or fourth day, a ewe can have her full requirement of concentrate which meets her needs for lactation. A general rule is that a ewe nursing twins will have approximately a 30 percent greater nutrient requirement and a ewe nursing triplets will have a 50 percent greater requirement than a ewe nursing a single.

Pork Checkoff Increase

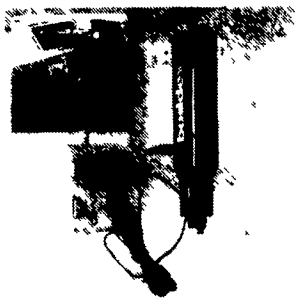
USDA announced in October that the national legislative pork checkoff rate will increase to 0.35 percent of the value of each animal marketed beginning this December 1.

The move represents the first increase in the producer checkoff since the initial 0.25 percent

(Turn to Page C3)

NEW buddex

A cordless instant dehorning device



- Most humane dehornings; individual calves should be dehorned as soon as buds become palpable (before eruption)
- Audible, timed buzzer alarm
- Safe, clinically precise
- Simple, one-handed operation
- Fast, efficient method
- Cordless, rechargable device

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Adjustable tickler tines help promote soil to seed contact A smooth steel roller or solid cast iron packer wheels firmly pack the seed for proper germination For a high output user accessible overseeder with durability see the Land Pride Solid Stand Seeder and your Land Pride dealer

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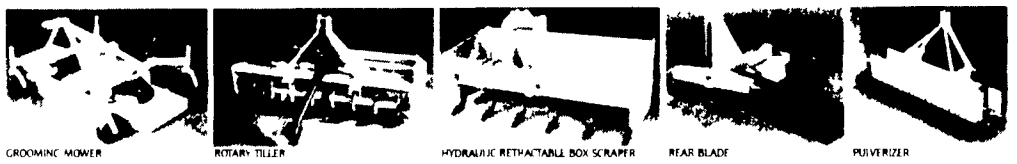

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Livestock Ledger

(Continued from Page C2)

assessment rate was established in 1986, according to National Pork Board President Harold Trask, Iowa.

The new rate will generate an additional $10 - $12 million dollars, bumping the current annual collection rate of some $30 million to about $40 million or more.

"The increase will allow the pork industry to fund and expand its research, consumer information and promotion programs," Trask said. "The added efforts will help to continue advancing pork's position within the marketplace."

Additional projects made possible by the increase will include expanding the successful Pork - The Other White Meat® campaign in 1992. Plans call for the campaign's message to reach nearly 100 percent of the U.S. consumers in 1992, up from some 58 percent of consumers reached now.

"Over time, pork industry surveys have found that the vast majority of pork producers support the checkoff," Trask said. "In a survey conducted earlier this year, 65 percent of all producers indicated that they believed that checkoff-funded programs directly benefitted them."

Quality Horse Hay

Good quality hay can provide most of the nutrients needed for the mature idle horse, except salt and water. However, to be of the most value as feed, hay for horses must be high in quality.

What is high quality hay? It is hay that is early cut and leafy; free of must, mold, and dust; free of foreign material such as weeds and stubble; and has a good green color. This type of hay is usually rich in energy, protein, minerals and vitamins, and is readily consumed by horses with little wastage.

In feeding studies conducted by workers at the University of Delaware, when given free choice, horses preferred legume hay over grass hay and clover hay over alfalfa hay. However, when quality was high, horses were content with number of hay mixtures including a variety of legumes and grasses.

Respiratory or digestive disturbances frequently associated with feeding hay were found to be more related to dust and mold than to mixtures. Observations by several Pennsylvania horsemen indicate that early-cut, well-cured, dust-free birdsfoot trefoil-grass mixtures are especially relished by horses. By the same token, however, alfalfa-grass and clover-grass mixtures and even straight grass hays are highly acceptable when early cut, leafy and free of molds and other dusts.

In general, as indicated in the values shown below, well managed legume-grass hays are higher in protein and minerals than straight grasses with similar management.

Mixture	Crude Protein percent	Calcium percent	Phosphorus percent
Alfalfa-grass	21	1.2	.4
Clover-grass	15	.8	.3
Timothy	8	.6	.2

HAPPY HOLIDAYS!

Soy Board Accepts Research Proposals

SALISBURY, Md. — Pennsylvania Soybean Board Chairman Daryl Alger announces that the Pennsylvania Soybean Board will be accepting soybean research proposals for the 1992 year. The board wants all proposals submitted between December 15, 1991 and February 8, 1992.

Under the national soybean checkoff laws and regulations, projects can be funded in the areas of promotion, industry information, producer communication, consumer education, and soybean research. The priorities set by the board are promotion and soybean research.

For more information, call (301) 742-9500 or write to Pennsylvania Soybean Board, P.O. Box 319, Salisbury, MD 21803.

1992 TILLAGE & PLANTER PARTS EARLY ORDER PROGRAM

If you order tillage or planter parts before January 3, 1992, you will receive 15% Discount - Guaranteed Price.

Parts available for pickup March 2 thru March 14, 1992
10% Deposit Required

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- CHISEL PARTS
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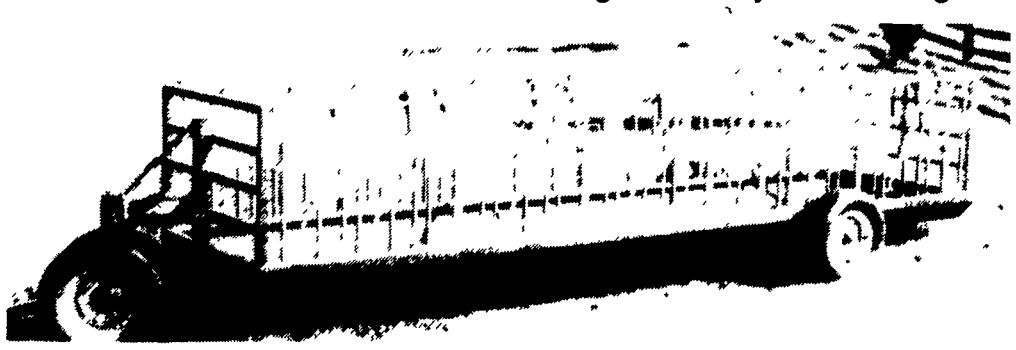

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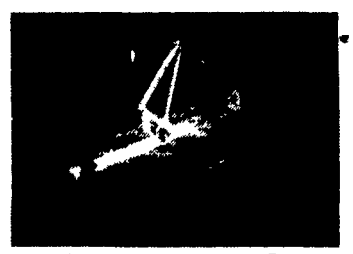
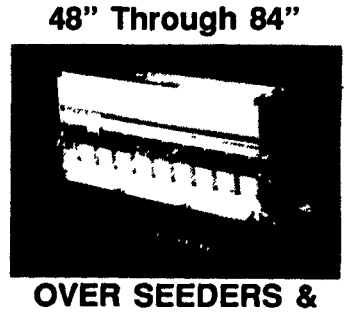
REAR BLADES
48" Through 120"

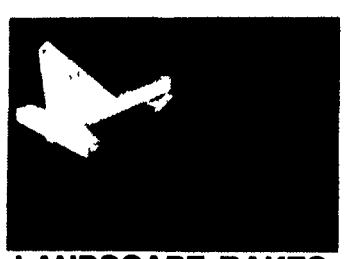


PULVERIZERS
48" Through 84"

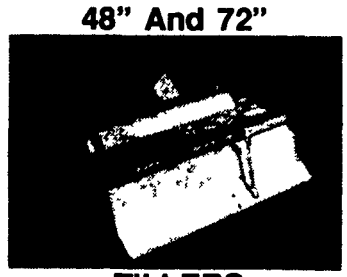
ROTARY CUTTERS
48" Through 120"



OVER SEEDERS & PRIMARY SEEDERS
48" And 72"



LANDSCAPE RAKES
48" Through 96"



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INCREASE EGG PROFITS THROUGH GOOD MANAGEMENT

John Schwartz
Poultry Specialist

Nineteen ninety-two could be a lean year for egg profits. To achieve profits, egg producers will need to pay close attention to basic poultry management practices.

We need to remember it is the laying hen that produces the bottom line. By properly managing her and meeting her needs, we should be able to achieve profits.

Today's modern laying houses are highly mechanized units. This mechanization has eliminated many of the time-consuming and backbreaking chores. This has allowed us to take care of more birds and spend more time using our head instead of our back in managing poultry.

We need to spend time in the laying house monitoring the equipment, observing the laying hens, checking egg production, controlling the environment, and managing the manure. You should have a checklist of items to be monitored that will tell you if you and your employees are achieving your production goals.

When one of these items exceeds your standards, take immediate action to find the cause and correct it. Some items you should be checking are daily mortality, water consumption, egg production, number of cracked eggs, feed consumption, and high/low house temperature.

To reduce egg cracks, make sure all dead birds are removed from cages before gathering eggs, egg belts are properly adjusted and tight, transfer sites are properly aligned, number of rows being collected at a time allow a smooth flow of eggs, and belt speed is not to fast for the number of eggs being gathered. During peak egg production, consider gathering eggs more frequently.

Observe the birds for feather loss and yellow pigmentation of beak. Handle birds to check on body condition, weight, and vent size. Observe the number of eggs in front of each cage. This will tell you if the birds are receiving feed and water. Check birds on both sides of the feed line to make sure feed is being uniformly distributed.

Walk the manure pit every day to observe condition of droppings, insect activity (especially flies), presence of rodents, water leaks, and condition of birds. Check the fans and make sure they are operating and the fan belts are tight.

Inspect the electrical wiring. A lot of chicken house fires start at the fans.

Consider placing one less bird per cage. Cutting bird density, especially in years of marginal prices, could improve profitability. Also, by reducing bird density, you are reducing many problems, including flies, manure production, and feed costs — at the same time, you are improving feed conversion, livability, and hen-housed egg production.

By spending more time in the hen house using your mind to watch the laying hens and monitoring key factors in egg production, you will keep your laying operation efficient.

The key to success is controlling the factors that influence profit. By taking an active part in management and by making things happen, you should have a good experience producing eggs. Remember, profits are determined by quality of management.

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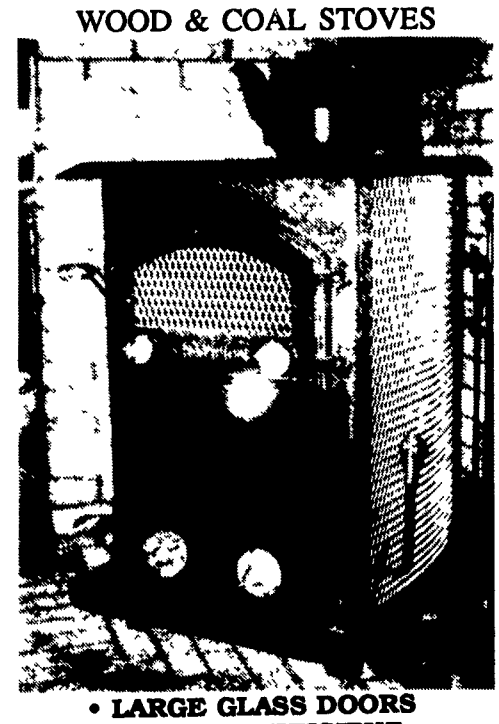

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by
Kenneth B. Kephart

Penn State Extension Swine Specialist

PARTICLE SIZE

As feed particles get smaller, feed efficiency in the growing hog improves. Most producers know that. And they're probably aware that the risk of stomach ulcers increases with finely ground feeds.

The challenge is to find a happy medium — fine enough that feed conversion is acceptable, yet course enough that ulcers are minimized.

How Do You Measure Particle Size?

The screen size in your hammer mill plays a big role in determining particle size. Increasing screen size increases particle size, since the hammers have to make fewer revolutions to force grain through the screen.

But if the hammers or screen are worn, the grain is broken less efficiently and the amount of fines will probably increase. Also, increasing the flow of grain into the hammer mill, or increasing the rpms of the hammers, will likely reduce particle size as well.

It's conceivable to have two different hammer mills with the same screen size producing entirely different particle sizes. So the sensible way to make comparisons is to measure the particle itself.

Since we're dealing with a pretty small diameter, the unit of measure is the micron. A typical particle size for swine feed is 700 microns (.7 millimeters). If you lined up eight such particles, they would make a row about a quarter of an inch long.

Feed Efficiency And Stomach Ulcers

It's not hard to understand why smaller particles improve performance. They have more surface area, so they're easier to digest.

In the case of the chicken, it's been shown that total digestive tract weight is lower with smaller particles. And that, nutritionists believe, reduces the energy requirement for the bird. Perhaps the same thing is true in the young pig.

But as particles get smaller, stomach contents get more fluid. That increases acid and enzyme contact with the stomach lining, especially at the upper end, which is relatively unprotected. The stomach becomes hardened or "keratinized."

If the irritation persists, the stomach lining erodes and becomes ulcerated. If the ulcerated area damages an artery, the pig may bleed to death.

Signs of ulcers include dark or black manure, which is often hardened. The pigs are pale. Those dying of ulcers will have a stomach full of blood.

Starter Pigs

Researchers at Kansas State University recently compared weanling pig (12-pound initial weight) performance on feed which was ground to four particle sizes. In addition, three grain sources were used — corn, hard sorghum, or soft sorghum.

Pig performance on the corn diets is shown in Table 1.

Table 1: Effect of Particle Size on Weanling Pig Performance.

ADG, lb	Particle Size, microns			
	900	700	500	300
ADG, lb	.94	.90	.96	.93

As you can see, performance in this 35-day study seemed to peak at the 500-micron size. The same thing was true for the sorghums.

The researchers also examined the stomachs:

Table 2: Effect of Particle Size on Stomach Scores.

	Particle Size, microns			
	900	700	500	300
Stomach Score*	1.00	-	-	1.75

* 1=normal, 2=moderate keratinization, 3=severe keratinization.

The lining of the stomach was less healthy in pigs consuming the 300-micron diet. Again, this is for the group consuming the corn diet, but the same observation was made in the hard sorghum group. In this experiment, no ulcers were found.

Growing Pigs

Results of another study at Kansas State University are shown in Table 3: Effect of Particle Size on Grower Pig Performance.

	Particle Size, microns (approximate)		
	1100	800	500
ADG, lb	1.34	1.32	1.32
F/G	3.62	3.65	3.44

As expected, feed conversion was optimum at the 500-micron particle size. But this particle size also led to more gastric lesions, as shown in Table 4.

Table 4: Effect of Particle Size on Gastric Lesions in Growing Pigs.

	1100	800	500
No pigs	8	8	8
Normal stomachs	5	4	0
Keratinized stomachs	3	3	2
Erosions	0	1	2
Slight ulcers	0	0	3
Severe ulcers	0	0	1

It's interesting to note that none of the groups had 100 percent normal stomachs. But the only ulcers found were in the 500-micron group.

When you compare these numbers with those of the starter pigs, we would probably conclude that grower pigs will not tolerate as small a particle size as starter pigs.

A study at the University of Georgia supports this observation. Researchers there fed grower pigs (35-120 pounds) or finisher pigs (90-220 pounds) wheat diets with a fine, medium or coarse grind. (Fine grind = 1/8 in screen, hammer mill at 2,560 rpm; medium grind = 1/4 in screen, hammer mill at 2,560 rpm; coarse grind = 1/2 in screen, hammer mill at 2,000 rpm.)

Grower pigs consuming the coarsely ground diet tended to eat less and grow slower. On the other hand, finisher pigs gained faster (9 percent) and grew more efficiently (6 percent) on the coarsely ground diet.

The Right Particle Size

For starter pigs, we should shoot for 500 to 700 microns. For many hammer mills, that will roughly equate to a screen size of 1/8 in to 3/16 in.

For grower-finisher pigs, 700 to 1,000 microns is about right. That will probably be a screen size of 3/16 in to 3/8 in.

The same particle size used for growing finishing pigs will also be satisfactory for the breeding herd.

If you had to choose one particle size for the entire herd, it would be 700 microns, with the accompanying screen size of 3/16 in.

For a $10 fee, you can have your feed checked for particle size by mailing a three-cup sample to Jim Nelssen, Extension Swine Specialist, 243 Weber Hall, Kansas State University, Manhattan, KS 66506.

Roller Mills?

No problem. As a matter of fact, the Kansas State studies with the starter pigs used a roller mill to produce the 900, 700, and 500 micron particles.

The clearance between the rollers can be adjusted to achieve the correct particle size. Some manufacturers argue that roller mills may also reduce the amount of fines and therefore the amount of dust in the building.

Summary

1. Feed efficiency improves as particle size decreases — to a point. For starter pigs, the particle size should not get below 500 microns. For the finisher pig, the ideal size is about 700 microns

2. You can guess at your particle size by checking your screen size in your hammer mill. But to know for sure, send a few feed samples to Jim Nelssen (address above). Without that analysis, a 3/16 in

(Turn to Page C7)

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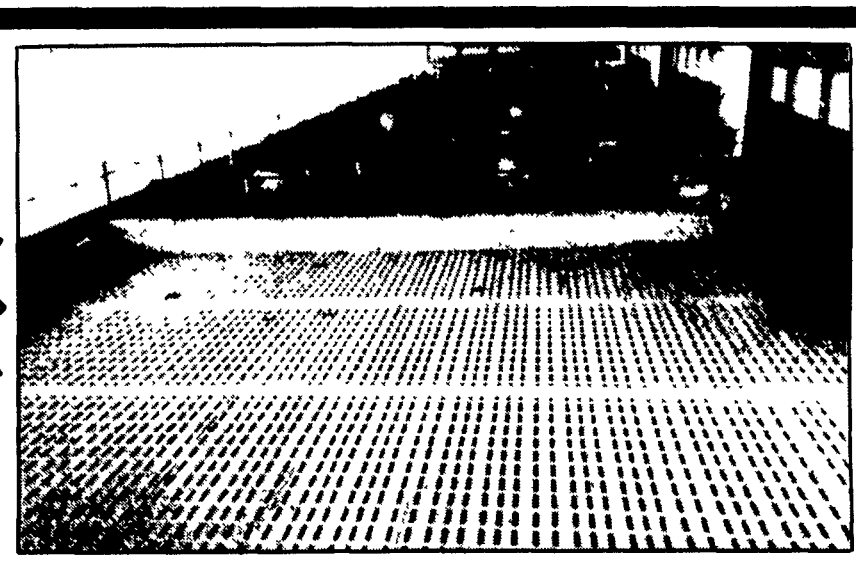

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Business News

Campbell Is J I Case President

RACINE, Wisc. — JI Case, a unit of Tenneco Inc., announced recently that Edward J. Campbell, president of Tenneco's Newport News Shipbuilding unit, has been named president of JI Case. He will begin his new assignment effective January 1.

Campbell will be responsible for worldwide operations at Case. He previously worked at Case from 1968 to 1978, last as an executive vice president, before moving to Newport News Shipbuilding.

"Ed Campbell is a stellar addition to Case," said Robert J. Carlson, who moves from president to Case chairman and chief executive officer. "He knows this industry, knows our company and is an outstanding executive. I look forward to working with him."

While Campbell was president of Newport News Shipbuilding, sales there rose from $700 million to more than $2 billion a year and operating income improved from $13 million to more than $200 million.

"Ed Campbell is a highly experienced, proven executive who has demonstrated his leadership many times," said Michael H. Walsh, Tenneco president. "His record at Newport News Shipbuilding and before that at Case is outstanding, and we look forward to his contributions in his new role. He and Bob Carlson give Case two very experienced leaders in the equipment industry. They're a good team, with well-matched skills, and both are dedicated to returning Case to profitability."

Tenneco has strengthened the management team at Case as part of its program to return the unit to profitability. Campbell, as president of Newport News Shipbuilding, headed a large and complex industrial manufacturing company noted for quality and productivity. Carlson joined Case in July with broad-based executive experience and is particularly known for his skills in sales and marketing. He was in the equipment industry for 31 years earlier in his career. Peter Menikoff joined Case as executive vice president in October from his prior senior financial position as Tenneco vice president and treasurer.

Local Agribusinessmen Tour Moscow

ROTHSVILLE (Lancaster Co.) — Several local agribusinessmen recently toured the new Soviet commonwealth. The trip, in response to an invitation from the Russian and Moscow governments, offered an exchange of agricultural information between the U.S. and the new Soviet Commonwealth of Independent States. In Moscow, the group spent four days meeting with government officials of various levels of authority, including the president of the Moscow region and his advisors.

Participants in the trip to Moscow were, from left, Harold Zimmerman, Ephrata; James Garber, Mount Joy; Amos Beiler, Leola; Dale Rohrer, Lititz; Don Hoover, Lititz; and John Wolgemuth, Mount Joy.

1992 PennAg President Named

EPHRATA (Lancaster Co.)— Edwin A. Rhoads has been elected President of PennAg Industries Association for the 1992 term. The President of Rhoads Mills, Inc., Selinsgrove, he is a graduate of Selinsgrove Area High School and Penn State University where he received a Bachelor of Science degree in Poultry Science.

He was a Board member of the Kiwanis Club, a President of the Selinsgrove High School Athletic Council and a County representative of the Private Industry Council.

Mr. Rhoads is currently a member of the PA Poultry Federation, a Director of Swineford National Bank, a Mason of the Scottish Rite-Irem Shrine, a member of the United Church of Christ and a life member of both the D.H. and L. Fire Co. and the Penn State Alumni Association.

He and his wife Audrey, reside in Selinsgrove and are the parents of three children. For recreation, Ed enjoys reading, golf and Penn State Sports.

Dual rake hitch features hydraulically controlled positioning. On-the-go rear rake positioning saves time when cornering or moving from field to field. The White-New idea system improves efficiency by reducing field time and fuel consumption.

Dual Rake Hitch Introduced

COLDWATER, Ohio — White-New Idea Farm Equipment Co. introduces the model 4111 dual rake hitch. This advanced hitch features hydraulically controlled rear rake position. This enables the operator to position the rear rake easily and simply while improving raking efficiency.

In addition to a wide array of raking combinations, the hydraulic control also enables tight cornering and on-the-go repositioning. The hitch can be used with either two left-hand delivery rakes or a right-hand and left-hand combination. Caster wheels are not needed on the rakes.

A safety bar locks out the hydraulic cylinder to hold rakes in line with the tractor for road travel. It stores out of the way during use. Model 4111 transport width is 7 feet, 7 inches, length, 18 feet, five inches. Operation right of center is 13 feet; left of center, 10 feet.

The G7000 bagger is a feed table model utilizing the improved endless belt design. The rubberized belt provides a very smooth feed flow into the newly designed compaction rotor.

Bagger Uses Endless Belt

WARRENTON, Ore. — Ag-Bag Corporation is introducing their new Ag-Bagger, the G7000, for the mid-sized operator.

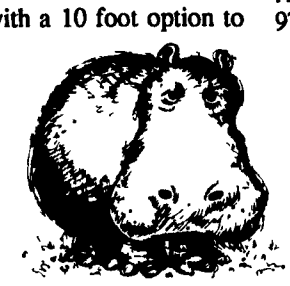
This new bagger is a feed table model utilizing the improved endless belt design. The rubberized belt provides a very smooth feed flow into the newly designed compaction rotor. The rotor consists of double rows of quadrastaggered compaction teeth placed so that an even number of teeth are in the feed at any given time. This provides an evenly compacted bag with the highest density possible.

The bagger is standard with a 1,000 rpm PTO drive, utilizing 80+ HP tractors. A 9 foot tunnel is standard with a 10 foot option to match the producer's feed needs.

The bagger is also very mobile by folding up the table and connecting it to a pintle hitch on a truck for road towing.

The G7000 bagger has many options to build just the right bagger for the producer's needs. They include a John Deere engine for self-power with a power belt drive, tunnel clean out, bag boom and cradle, fifth wheel pintle hitch and hydraulic jack, self-contained hydraulic package, and a 3-way valve utilizing only one tractor outlet.

For more information contact: Ag-Bag Corporation, 2320 S.E. Ag-Bag Lane, Warrenton, OR 97146, (800) 334-7432.



GIGANTIC SELECTION IN Lancaster Farming's CLASSIFIEDS

Martin Attends Plant Nutrition Seminar

LITITZ (Lancaster Co.) — Melvin M. Martin, Lititz, recently attended an annual research and sales development seminar conducted by Growers Fertilizer Solutions, a Milan, Ohio firm currently leading the effort to provide an ecologically sound plant nutrition system for farmers throughout the nation.

Melvin M. Martin joined more than 125 agribusinesspeople from the United States and Canada for the two-day event held in Milan, Ohio, birthplace of another innovator, Thomas Edison.

Growers Fertilizer Solutions, a completely biodegradable product, was developed by Dr. V.A. Tiedjens, former director of the Virginia Truck Experimental Station at Norfolk, Va. Tiedjens spent more than 30 years in fundamental research before perfecting the Growers nutrition formula. He is credited with being the nation's leading experimenter with hydroponic growth (plants which grow in a water-based solution rather than soil) and is the author of the "More Food From Soil Science," a candid and often times controversial discussion of growth requirements for plants and the damage which can be done to soils through the excessive use of granular fertilizers.

Growers Fertilizer Solutions, now with 37 years of commercial on-farm use, is credited with being the nation's leading developer of foliage fertilizers as well as pioneering the popular direct-to-the-seed application for field crops. Growers users experience consistently outstanding yield vs. cost results and are reknown for producing crops of the highest quality (such as corn with 58-60 pound test weights augmenting protein levels of 9 to 13 percent). Hay raised with the Growers Program often reaches the 23 to 26 percent protein levels. Higher quality crops translates directly into lower feed costs and healthier animals.

Melvin M. Martin, by attending this seminar, updated his knowledge of Growers products and the firm's research procedures and results. He also heard — firsthand — from representatives in other areas about their customers' profitable experiences and results from a variety of farms with varying soil and climatic conditions.

Spreading Manure Not A Winter Activity

NEWARK, DE — Bill McGowan, University of Delaware Cooperative Extension water quality agent, has been preaching an unpopular gospel this fall: don't spread your manure. Farmers often use the winter months to distribute the manure that has accumulated on their farms. But research shows that for both environmental and economic reasons, this is not a good time to spread manure.

"I encourage farmers to keep their manure spreaders parked as long as possible," McGowan says. "The closer to planting time they spread manure, the more return they get for their money."

Managed properly, manure can supply up to 40 pounds of nitrogen per ton the first year applied. But the further from planting time that manure is spread, the more nitrogen will be lost in the soil. The nitrogen leaches into the groundwater, where it is unavailable for the crop and can contribute to reduced water quality.

"The idea is to manage the fertility of your soil by timing manure applications," McGowan says. "You don't want to have to compensate for nitrogen loss in the soil by doubling or even tripling your manure application. A good manager will put as little manure as needed on the field and will spread the manure over more acres."

For farmers who do not have a shed to hold the manure until spreading time, McGowan suggests stockpiling on high ground in the field. "Spend some time and push your piles up to increase water runoff and reduce pile saturation," he suggests. "Straight dumping creates hills and valleys which hold water. Black plastic is still an excellent covering.

"Proper manure management is an example of excellent stewardship and may also reduce costs," McGowan says. "Keep your manure piles away from ditches and open water. And if you realize you have a surplus, share your wealth with other farmers."

The Delmarva Poultry Industry is operating a manure hotline for farmers who have excess manure they want to share and for farmers who need manure. The hotline number is 302-856-9037.

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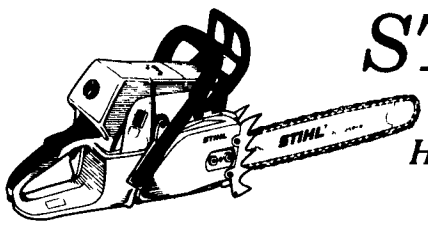

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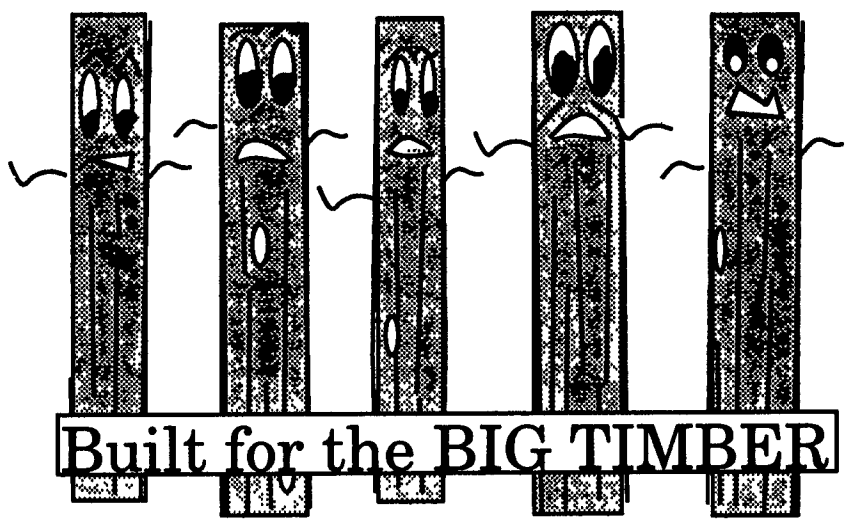

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Pork Prose

(Continued from Page C5)

screen would probably be the best all-round screen size for a swine operation.

3. Roller mills are as good as hammer mills at achieving these particle sizes. If very small particles are desired (less than 500 microns), a hammer mill may be required.

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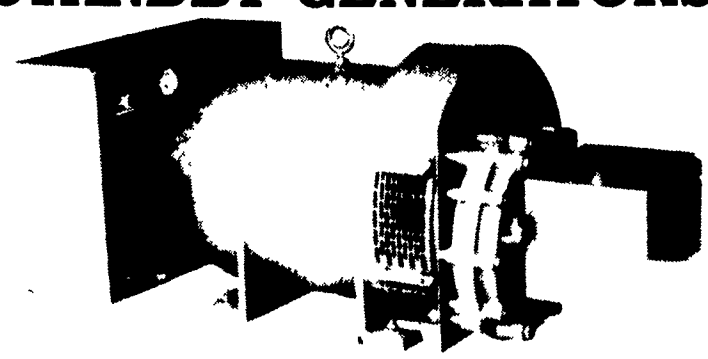

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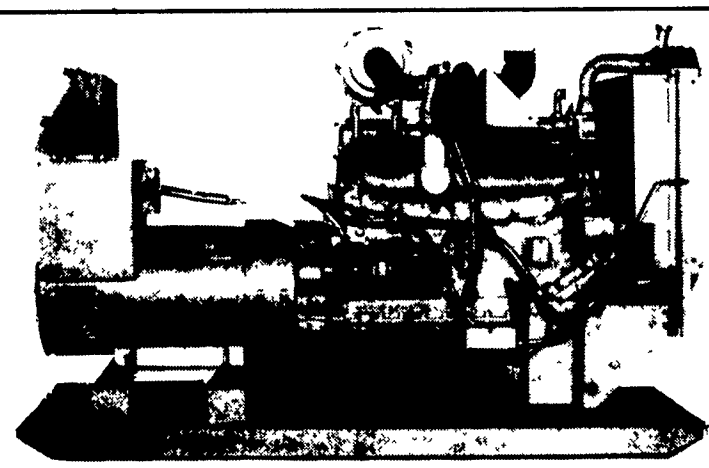

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Old Forages Add To Feeding Program

Lester Vough, a Maryland forage crop extension specialist, judges hay at Penn State University's Ag Progress Days. Vough recently talked about using small grains and winter-hardy legumes to double-crop silage corn fields for extra livestock feed.

(Editor's Note: This is the second of a two-part series covering the 18th Annual Mid-Atlantic Conservation Tillage Conference. Last week's article covered the tillage-emphasis of the program, while this week's article highlights a presentation on the benefits of certain forages.)

VERNON ACHENBACH JR.
Lancaster Farming Staff

HAGERSTOWN, Md. — Planting cover crops to protect overwintering fields from erosion has been increasing in recent years.

Researchers are now saying that the second, overwintering crop, has a lot more value in addition to holding the ground in place, and that agriculturalists should consider some of the many options they have to tailor a second crop for the most benefit to their operation.

According to Lester Vough, a forage crops extension specialist with the University of Maryland Department of Agronomy, fall plantings of small grains and legumes can provide good spring forage for livestock — every year, not just during emergency years.

In fact, Vough said there is a wide versatility with which a farmer can use a field that normally would lie dormant through the winter.

He can graze those fields for a couple months during the late fall and early winter and still harvest a quality spring crop before replanting with silage corn.

Vough was one of the speakers highlighted during the recent 18th Annual Mid-Atlantic Conservation Tillage Conference, held at the Ramada Inn Convention Center in Hagerstown, Md.

The conference is an annual chance to hear the latest information on tillage, which includes a range of sometimes tangent topics, all for the purpose of offering producers a chance to better make management decisions.

In his presentation, Vough talked about a variety of forages and how they could fit into a double-cropping system for the dual purpose of achieving erosion control and supplemental quality livestock feed.

According to Vough's presentation, studies have shown the small grain rye varieties to offer the best total crude protein, dry matter, energy and versatility in being planted for overwintering.

He said it can be especially helpful when used in combination with other small grains or legumes.

"Although we tend to associate the use of these crops (overwintering annual grasses and legumes) primarily with periods of forage shortages resulting from droughts or crop failures, they can routinely contribute to our farm forage supplies," Vough said.

According to Vough, some of the crops that researchers have been looking at used to be more commonly known. They had been used as forages years ago, but fell out of favor in light of the focus on corn and alfalfa, and other plants which had been improved through research to the degree that they are now the backbone of livestock feeding programs.

However, to add some muscle to the backbone, Vough said that the use of different varieties of small grains and legumes can fit in well to a crop-feeding program by extending the use of fields, especially those in which corn is raised for silage.

Later in his presentation, Vough said that double cropping small grains and legumes with sorghum, sudan grass, hybrids of those, or pearl millet also works well.

Vough, warned, however, that any thought about rebasing a feeding program on any of the peripheral forage plants would be a mistake.

"Ohio State (University studies) indicated that planting corn silage even as late as mid-June will give more harvestable energy per acre than any of the other forages," Vough said.

"Sometimes I see a tendency to look at some of these supplemental and emergency crops as a replacement for corn silage and alfalfa, but they do not really have the equivalent in their production. They certainly have a place, but I do not see them as the backbone of our forage production system."

Having said that, however, Vough went on to describe making better use of the alternate forages.

"Winter annuals can be used in a double-cropping sequence with some of our summer annuals, particularly corn, and will really help to increase our total seasonal yields as well as serve as a cover crop," he said.

And though a good number of forage growers are double cropping, Vough said that with a little more effort put into planting the second crop, the benefits will be substantial.

"Those of you who are using rye, barley or wheat for a cover crop are increasing the seeding rate and applying some fertilizer, and we can have some yields in the range of three to four times the dry matter that can be harvested the following spring," he said.

He said harvest in the central Maryland area is generally around early to mid-May.

According to Vough, the primary winter annual crops in the mid-Atlantic part of the country would be the small grains — rye, wheat, barley and now triticale (a combination wheat and rye hybrid).

"These crops fit very well in a double cropping sequence with corn, that would be harvested as silage," he said.

And work to develop the role of these plants has been ongoing.

Research Results

"Over the past 10 years or so, a number of states in the mid-Atlantic region have looked at primarily small grain in this type of a double-cropping sequence," Vough said.

Going over research performed at universities in Maryland, Virginia and Pennsulvania, Vough turned first to work done during the early to mid-1980s at the University of Maryland.

In those studies, researchers concentrated on looking at small grains, and the legumes fields peas and hairy vetch in a double-crop sequence with silage corn, Vough said.

"The objective was to evaluate the yield potential and forage quality of these small grains and winter annual legumes," he said.

Rye and barley were primarily studied, with winter oats tried for two years, but dropped from study because it didn't perform well in the Maryland winter climate.

The seeding rates used in the study were: rye, 140 pounds per acre; wheat, 150 per acre; and barley at 120 pounds per acre.

For the combination trials with a mixed stand of winter-hardy legumes, the seeding rate for the grains was half.

In the case of a combination trial involving three plant species — such as rye, wheat and field peas — a seeding rate of 33 pounds per acre with peas, or 8 pounds per acre of hairy vetch was used.

The legume in the mixes constituted a third of the total seed mix and then the small grains made up two-thirds of the mix, divided evenly depending on the number of grains mixed, Vough said.

"We learned a few things over the years," Vough said.

"The first year we planted late. Following years we planted earlier, particularly for the peas and vetch. For conditions in central Maryland, and those areas with similar conditions, the peas and vetch mixture should be in the ground by the end of September.

"If you look at harvest dates, generally we target our harvest date for early to mid-May. The later in the month it is harvested, the yield will increase, but the quality drops quickly," he said.

Vough then reviewed data resulting from three years of study during growing seasons that he said were typical for Maryland.

In 1981-82, the top yielding plant species was rye, as could be expected, he said. "Generally, the highest yeilding spieces would be rye or mixtures containing rye."

In 1982-83 all the top yielding species again were the rye and rye combinations. Yields were higher because of wet weather delays in harvesting, Vough said. The dry matter percentages were higher — ranging from 24 percent to a high of almost 32 percent.

Vough said the Abruzzi rye variety had the highest dry matter.

In 1983-84, the studies incorporated two different varieties of rye. Both Abruzzi Rye and Common Rye are quick maturing, so that when the rye is at its best for harvest at the late boot to early heading stage, wet weather frequently prohibits harvest and the rye varieties quickly mature to the fully headed stage within four to seven days, reducing the protein content and other qualities.

"If you get some wet weather in there you can go from excellent quality silage to pretty mediocre, poor quality silage," he said.

"We included Wheeler rye in there. Wheeler rye will head out anywhere from 10 days to three weeks later than Abruzzi, so there can be some advantage to switching to a a later-maturing rye," Vough said.

Also, Vough said that, during the study, all overwintering crops were harvested on the same date, not according to maturity.

"The idea being that when it comes time to double-crop corn for silage, the small grains are harvested irregardless of the stage of maturity," he said.

The same studies were conducted on the Eastern Shore the third year, with fairly similar results to the central Maryland trials — rye or mixtures containing rye were highest yielding.

In 1981-82, with a delayed harvest, an Abruzzi rye-barley mixture came in at 4.2 tons of dry matter per acre, about 20 percent.

Even with the delayed harvest, the combinations containing rye were the highest yielding. Because of the delays, the dry matter yields were increased.

In the studies in Maryland, Abruzzi rye was frequently at the fully headed and overmature at time of harvest, Vough said. "Which would result in a stemmy, fluffy silage, difficult to pack," Vough said.

"Multi-species combinations provided a wider maturity range for harvesting. Barley was generally at early headed stage, which was optimum, while Abruzzi rye was overmature and wheat was still vegetative," Vough said.

With that three-grain combination, the wheat and rye would tend

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Table 1. Percent dry matter (DM), dry matter yield, and 60% moisture silage yield of the highest yielding small grains or combinations of small grains with Austrian winter field peas or hairy vetch at two locations over three years.

Species/Varieties*	1981-82			1982-83			1983-84		
	% DM	Yield(Tons/A) DM	60%	% DM	Yield(Tons/A) DM	60%	% DM	Yield(Tons/A) DM	60%
Central Maryland Research and Education Center, Clarksville Facility									
Rye ('Abruzzi')	24.3	2.8	7.0	31.8	4.7	11.8	23.1	5.1	12.8
Rye ('Wheeler')							14.5	4.9	12.3
Rye + peas	23.1	2.3	5.8	27.8	4.8	12.0			
Rye + wheat	22.8	2.8	7.0	29.6	4.8	12.0	16.2	4.6	11.5
Rye + wheat + peas							15.9	4.6	11.5
Rye + wheat + barley	22.4	3.0	7.5	27.9	4.6	11.5	16.1	4.4	11.0
Rye + wheat + barley + vetch				24.0	4.5	11.2	15.7	4.3	10.8
Rye + wheat + barley + peas				25.2	4.7	11.8	15.8	3.9	9.8
Wye Research and Education Center									
Rye ('Wheeler')							17.3	4.7	11.8
Rye ('Abruzzi')	23.7	4.0	9.9	34.6	4.5	11.3	25.8	4.4	11.0
Rye + wheat + barley + vetch				24.4	4.6	11.5	17.3	4.4	11.0
Rye + wheat + barley + peas				23.5	4.2	10.5	17.3	4.2	10.5
Rye + wheat + peas							16.6	4.2	10.5
Wheat + barley	16.3	2.8	7.1	25.2	4.3	10.8	17.8	4.2	10.5
Rye + wheat	20.4	3.8	9.4	30.1	4.6	11.5	17.6	4.1	10.3
Rye + wheat + barley	20.3	3.7	9.2	28.9	4.2	10.5	16.9	4.1	10.3
Rye + barley	21.6	4.2	10.6	29.3	4.3	10.8	16.6	4.1	10.3

* Varieties used in multi-species mixtures:
1981-82 -- 'Abruzzi' rye, 'Scotty' wheat, 'Volbar' barley
1982-83 -- 'Abruzzi' rye, 'Severn' wheat, 'Pennrad' barley
1983-84 -- 'Wheeler' rye, 'Severn' wheat, 'Pennrad' barley

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to offset each other in terms of maturity.

"Peas and vetch would expect to raise the protein content of the silage — but if you get over a third of the seeding rate for legumes, it will reduce yields," Vough said.

He suggested planting both Abruzzi and Wheeler varieties, but not in the same fields. That way, with both varieties in separate fields, a producer could harvest according to quality and maturity of the plant, and reduce the risk of having all poor quality forage.

The Abruzzi is the first to mature; the Wheeler later. By planting both species, even if rain delays the Abruzzi harvest, it's possible the Wheeler variety can still provide excellent forage, when those fields are harvested.

A study also dealt with harvest dates. When harvested by maturity — with rye and triticale harvested at boot stage, and barley and wheat varieties harvested in the soft dough stage — the Abruzzi rye was at boot stage April 1; Wintercane, Aroostook rye and then Wheeler followed in succession of maturity. Wheeler matured April 21.

Other triticale matured even later, from May 5 to May 11.

A variety of barley matured a couple days later than triticale, while some wheats matured into June.

"Some things to consider in double cropping is how the date of maturity in your particular area relates to the corn planting date," Vough said.

"You can run into some problems, even with the Wheeler rye and particularly with some of the triticale, in that they will not reach the harvest stage in time for corn planting.

"If you're going to double crop with sorghum, sudan grass or something that is planted later in the season, then the late maturing, overwintering small grains and forages are okay to use in a double-cropping program," he said.

A comparison of rye, triticale and wheat was performed at trials, 2 years at Rock Spring and one year at Landisville, Vough said.

The dry matter yields in 1985-86 were considered most typical by researchers, with rye having the highest yield at 2.4 tons of dry matter per acre. The wheat had the least dry matter. These crops were harvested by growth stage.

In comparison of crude protein content among the crops, in 1985-86, there was not a lot of difference, Vough said. Rye had 12.7 percent crude protein, while wheat had the most, but not a great difference.

In 1987-88, the crude protein ranged from 10 to 12 percent. "I think those values are what you could expect from those species," Vough said.

Other research can provide insight into double cropping alternatives, Vough said.

"I did not mention the use of triticale and peas seeded as a spring crop. The only inofmration available on spring-seeding was from Ohio State (University), where they seeded spring triticale and Canadian field peas.

"The yield was 1.7 tons dry matter. They double-cropped and reseeded mid-April with pearl millet," he said.

"The yield of a spring seeding generally is not as high as you would have from winter cropping, seeding in September, or early October and then harvesting in late April or early May," Vough said.

Winter Grazing

There are other purposes of fall-sown fields of small grains, according to Vough: Using the fields for grazing livestock.

According to Vough, some Maryland livestock producers are using fall-seeded spring oats, wheat and barley, which were seeded as grain crops, and allowing them to be grazed through fall and mid-winter.

He said a couple of farms in Maryland are using those programs successfully.

Vough talked about one producer who runs a commercial beef herd on barley.

"1991 was not the greatest growing season, but he harvested 75 bushels of barley (per acre) off of that, having grazed that in the fall and early winter," he said.

The method Vough talked about is to plant seven to 10 days earlier than recommended to get added growth in the fall.

Also, the seeding rate is doubled, so the additional plants provide for additional grazing forage.

"Doubling the normal seeding rate will give a substantial increase in the amount of forage produced through the fall and winter," Vough said. "The rates are from 225- to 250-pounds per acre. Give them about six weeks to grow and allow the animals in to graze," he said.

He suggested a stocking rate of one animal per acre.

The livestock are allowed to graze until the plants are eaten down to about 2 inches high.

"Don't graze it too low," Vough said. "Graze till about mid- to late-February. Terry (the commercial beef producer) says its the most economical way to put weight on beef," Vough said.

But the practice is not new to beef producers in the Midwest, Vough said. "This is a common practice in the Great Plains, to graze their wheat crop."

And apparently it's becoming more popular in the East.

Vough said that according to the agricultural science agent in Washington County, Maryland, farmers in that area are currently grazing between 2,000 to 3,000 acres in wheat or barley that are seeded for grain purposes.

In addition, there are many fields in which combination rye-barley, or two- to three-way mixtures, are seeded for grazing in the fall or for silage in the spring.

One man sews spring oats immediately after corn silage harvest in the fall. He grazes that with his milking herd of Holsteins, Vough said.

The fields are usually seeded by early September, and usually ready for grazing by mid-October, he said. The fields are grazed until December at this particular dairy. Vough said the dairyman estimates he gets about half a ton of forage per acre, which is not a lot, but very cheep feed.

"These are some crops that we can make greater use of to help fill in the fall grazing period, or fall feed period where we may be short of feed," Vough said.

Also, for grazing, Vough said work has been done in planting a combination of rape and cereal rye — after grazing the fields into December, the rape freezes out, and the rye comes back the following spring. He said it's possible to get one or two more grazings off the rye in the spring.

Also, for supplemental feeding, Vough said corn stalks or corn residue are under-used.

"I spent six years in Oregon. We waste more feed in this part of the country (the East) than a lot of eastern Oregon even produces," Vough said.

"One of the potentials that we have is with gleaning of our corn fields. The stalks that are down or the grain that goes out the back of the combine, if you can run a fence across the field you can get a lot of energy," he said.

"Particularly if you have small grain fields side-by-side (with the corn), and run a fence across them so they have access to small grain and corn at the same time — the small grain will provide protein and there's a lot of energy that can come off of the corn residue.

"(The cattle will) pick out the leaves and grain and get the better part of it.

Table 2. Suggested seeding rates for small grain species seeded alone and in various combinations for winter silage production.

Species	lb/A	Species	lb/A
Rye	140	Rye + wheat + peas	47 + 50 + 33
Wheat	150	Rye + wheat + barley	47 + 50 + 40
Barley	120	Rye + wheat + barley + peas	31 + 33 + 27 + 33
Rye + peas	93 + 33	Rye + wheat + barley + vetch	31 + 33 + 27 + 8
Rye + barley	70 + 60	Wheat + barley	75 + 60
Rye + wheat	70 + 75		

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525 4WD .70 $12,825
562 4WD w/Cab .70 $13,479
572 4WD w/Cab .70 $14,259
820 4WD .85 $13,895
825 4WD w/Cab .85 $15,422
922 4WD w/Cab .100 $18,989
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Monthly Report

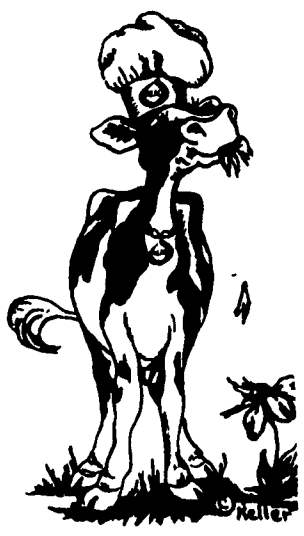
October, 1991
Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.	Protein Lbs.
Raymon & Marlin Getz	3	57.1	87.1	24,135	922	775
Meadow Spring Holstn	B3	88.6	89.5	24,048	808	772
Ferndale Farms	3	67.2	88.2	23,448	801	762
Arnold Acres	3	57.7	89.3	23,399	876	761
Richard Batz	3	44.4	90.4	23,464	724	751
Richard+Linda Krall	B3	38.0	87.6	23,944	831	748
Curvin + Jay Good	B3	89 6	86 8	24,040	856	747
Dale Good	B3	93.2	87.8	23,304	867	741
Gary Lentz	3	81.1	86.5	22,361	809	726
Willow Maple Farm	3	44.3	90.0	23,165	910	723
Irvin Z Brubaker	G3	52.8	85.8	23,034	837	711
Arthur R Krall & Son	3	70.9	87.5	22,150	800	708
Bruce R Heilinger	B3	17.0	82.8	22,239	754	703
Reuben O Martin	3	77.9	87.3	22,484	834	701
Kirby L Horst	3	46.4	87.0	22,419	859	700
Raymond K Martin	B3	50.1	86.9	22,525	819	697
Dale L Hoover	3	73.0	89.3	21,916	764	697
David Eugene Reiff	3	55.8	87.8	21,677	743	694
Louis E Martin	G3	44.4	86.5	22,097	748	690
Luke Brubaker	B3	53.9	85.1	21,809	705	686
Roy M Oberholtzer	B3	54.1	89.6	21,297	744	684
Hoover Farms	3	112.7	88.5	21,717	806	684
Ramona Holsteins	3	69.5	86.1	21,640	800	683
Thomas+Shirley Krall	G3	78.1	90.0	21,077	736	682
Allen H Leinbach	3	38.0	86.9	21,457	790	678
Vincent A Wagner	3	60.8	85.1	21,028	802	676
Hershey Bare	3	91.4	87.3	20,840	731	674
Ernest Hostetter	B3	84.7	85.9	21,971	814	674
Mark C Patches	B3	106.5	86.3	22,950	788	672
Earl+Marilyn Smith	3	85.7	90.1	20,946	693	668
Leon M Burkholder	B3	49.9	91.9	21,205	835	666
David Brandt	3	102.7	90.3	21,151	817	665
Marlin D Heisey	B3	51.7	83.9	20,869	773	663
Bruce R Heilinger	5	30.0	83.9	19,094	742	663
Marvin K Meyer & Sons	B3	122.8	90.0	20,792	785	662
Ezra H Martin	B3	53.5	88.6	20,843	739	661
Jeff + Karen Zuck	B3	56.8	86.5	21,460	782	660
Kenneth Mase	B3	91.8	88.6	20,116	733	658
Dale Hostetter & Sons	3	97.9	86.6	21,215	813	658
Ken-Joda Farm	B3	55.9	86.2	21,090	759	655
Robert L Martin	B3	69.1	90.4	20,816	799	655
James S Martin	B3	54.5	81.3	20,526	696	652
Wernerway Farms	B3	135.8	89.9	21,219	745	652
DGK-Holsteins	3	50.2	86.0	21,238	760	646
Weaverline Holsteins	B3	81.4	85.2	20,189	740	641
Miste Hollow Holstn	B3	84.5	88.1	20,571	671	639
Little Hill Farm	3	53.4	86.1	20,381	785	638
David + Kathy Smith	G3	44.0	85.4	20,483	732	637
Gene + Kathleen Martin	B3	81.9	88.9	19,791	708	634
David Kline	B3	74.7	85.1	19,769	723	634
Harvey T Bomgardner	3	100.6	88 2	19,718	729	632
Udder Valley Farm	B3	78.5	89.8	19,102	745	631
Neal W Sensenig	B3	58.0	86.3	19,691	707	630
Kenneth I Sellers	B3	68.2	84.3	19,523	755	627
Bucher Brothers	B3	40.0	83.8	20,392	717	627
Donald G Hoffer	3	43.6	86.9	20,549	719	624
David E Zimmerman	G3	48.4	85.3	20,231	761	623
Ernest Wagner	3	40.4	88.4	19,830	727	623
Wesley D Martin	B3	40.7	88.8	19,961	755	622
Philhaven Farm	3	101.2	89.8	19,256	730	619
Dale E Maulfair	B3	34.8	85.4	20,142	677	619
Byrn+Dale Himmelberger	B3	40.6	85.3	19,805	695	616
Richard&Ronald Shirk	3	70.6	85.1	19,210	682	614
Samuel Geesaman	B3	52.7	88.0	19,160	664	611
Twin-Maple Farm	B3	65.3	86.0	19,385	657	610
James & Pamela Berry	B3	61.6	90.5	18,366	625	609
Clifford Good	G3	75.4	87.8	19,357	656	608
Walter K Heisey	B3	57.9	86.5	19,818	725	608
David+Chris Williams	B3	62.0	84.7	19,330	714	608
Joe Meily	3	71.8	86.3	20,027	668	607
Leon H Kline	B3	78.4	88.1	19,411	735	606
Mervin W Horst	3	68.0	87.3	19,463	772	606
Walter M Martin	G3	52.6	85.7	19,340	719	606
Phares Z Musser	3	95.4	88.1	19,622	743	602
Ernest P Detweiler	G3	49.4	87.9	19,404	688	601
Alvin & Marian Martin	B3	67.7	84.7	19,184	679	601
Galen Bollinger	B3	126.5	88.7	18,796	702	600
Sonnen Springs Farm	3	51.1	82.7	18,456	684	599
Bruce R Heilinger	B2	4.7	90.4	16,908	801	597
John Brubaker	G3	59.6	86.3	18,545	724	594
Gary Lee Mase	5	43.5	81.9	16,834	666	593
Dennis Wampler	3	95.8	84 2	18,679	678	592
Meadow-Wood Farm	B3	197.7	87.7	18,617	698	590
Lynwood Heagy	B3	91.2	87.7	19,216	682	587
White Birch Farm	B3	63.8	87.7	18,103	642	587
Dpaul + Pattica Miller	B3	60.8	80.4	18,162	623	586
Elson Hostetter	3	52.7	87.1	19,294	681	586
Mark Copenhaver	B3	80.8	88.9	18,824	684	585
Lynn W Moyer	B3	62.2	89.1	18,535	696	583
Moses O Martin	B3	72.7	87.4	18,338	676	583
Alvin L Stoltzfus	B3	52.2	85.4	18,438	681	582
Little-Hill Farm	5	9.5	84.4	17,961	699	581
Gary Mase	B3	16.3	81.2	18,016	663	577
Blue Mt View Farms	B3	65.9	90.6	18,628	664	574
Twin-Gro Holsteins	3	62.4	86.1	18,560	669	572
Clifford+Fay Berger	3	56.1	88.1	18,226	621	571
Eugene L Weiler	B3	86.0	87.5	18,180	638	570
J Richard Bomberger	B3	84.6	86.4	18,028	688	567
Daniel B Shirk	3	39.2	83.9	17,589	653	567
Glen & Linda Krall	B3	79.9	87.9	18,160	601	562
Sonnen Acres	3	86.7	88.8	17,553	622	561
Larry G Shuey	B3	93.3	87.2	18,321	661	561

Lactation Report

Kenneth I Sellers					
Iris	3	8-7	305	24,247	920
Jackie	3	7-6	305	21,271	881
May	3	4-4	305	29,852	1119
Ferndale Farms					
0-223	3	4-5	305	29,548	857
David Brandt					
97	3	4-3	305	24,543	986
67	3	2-11	299	24,476	866
Harvey T Bomgardner					
Stain	3	6-2	305	28,891	890
Laverne	3	5-1	305	25,002	875
Marvin K Meyer & Sons					
144	3	4-6	305	24,966	993
165	3	4-1	305	23,384	856
202	3	3-8	305	21,007	877
Ernest Wagner					
354	3	4-4	305	26,508	1029
Dale Hostetter & Sons					
121	3	4-4	305	27,108	1020
158	3	4-6	305	26,125	874
Richard & Ronald Shirk					
Carol	3	3-5	305	20,501	952
Little Hill Farm					
Crystal	3	5-1	305	23,432	996
David Eugene Reiff					
Laura	3	2-10	305	27,287	879
Kirby L Horst					
Devine	3	5-8	305	27,979	988
Shasta	3	5-7	305	31,186	1128
Rosa	3	5-1	305	25,986	1083
Mark C Patches					
19	3	6-1	305	25,934	1024
47	3	4-5	305	28,718	1030
Ralph E Emrich & Son					
77	3	5-3	305	21,248	876
Allen H Leinbach					
Mamie	3	4-6	305	24,129	962
Kathy	3	4-5	300	27,779	999
David Kline					
Neptune	3	2-9	305	23,428	856
Arthur R Krall & Son					
Clarisa	3	7-7	305	27,847	948
Cara	3	3-3	299	25,742	941
Reuben O Martin					
Mandy	3	4-10	305	23,491	967
Panda	3	4-0	305	28,887	876
Arnold Acres					
Astor	3	7-8	302	27,831	1118
Eugene L Weiler					
Regina	3	6-5	305	24,422	1070

(Turn to Page C11)



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+2066 PTA MILK
+ 114 CFP
+ 166 PTA TYPE
AI PROVEN 72d/56h
$12.00 SEMEN PRICE
USDA-HA 7-91

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1-800-222-2948

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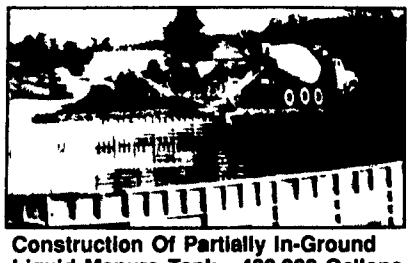
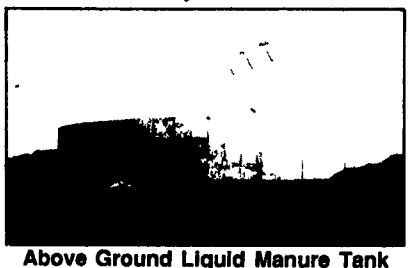
Far Left: 1-Million Gallon Circular Manure Storage Tank
Far Right: 2 Silage Pits
In-Barn Manure Receiving Pit



Construction Of Partially In-Ground Liquid Manure Tank - 400,000 Gallons

300' Long Manure Pit For Hog Confinement



Above Ground Liquid Manure Tank 425,000 Gallons

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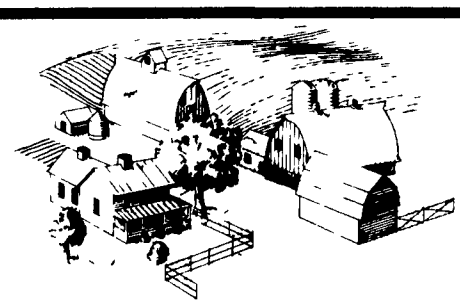
(717) 859-2074
After 6:00 PM

Lebanon Co. DHIA

(Continued from Page C10)

Mervin W Horst					
Peachy	3	4-0	305	22,360	863
Mary	3	3-2	305	22,511	894
John Brubaker					
18	3	6-3	305	28,337	981
47	3	3-5	305	19,087	872
Vincent A Wagner					
31	3	8-1	305	28,128	1042
185	3	3-3	305	24,672	941
210	3	2-3	305	23,055	978
Leon H Kline					
840	3	3-6	305	21,862	872
Bucher Brothers					
Buttern	3	6-2	305	23,870	880
David E Zimmerman					
37	3	4-8	305	24,264	877
Marlin D Heisey					
74	3	8-8	305	23,203	928
36	3	7-4	305	22,699	901
Raymond K Martin					
Shirley	3	9-10	305	23,247	951
Sarah	3	4-11	290	24,094	956
Sharon	3	4-1	305	27,765	984
Richard Batz					
Maryann	3	6-10	305	30,148	872
Dottie	3	5-6	305	32,963	938
Irvin Z Brubaker					
175	3	5-2	274	25,699	914
177	3	2-8	305	25,632	893
Leon M Burkholder					
108	3	5-2	297	24,190	1083
119	3	4-10	304	25,161	1073
19	3	5-0	305	23,781	992
Gary Lentz					
69	3	4-8	305	28,472	923
101	3	4-1	305	23,183	907
Samuel Geesaman					
Dee	3	5-3	305	25,807	908
Curvin & Jay Good					
46	3	4-3	305	29,443	1020
50	3	3-2	305	24,857	1040
76	3	3-3	305	28,520	1135
89	3	3-3	305	24,040	882
71	3	3-2	305	29,795	1018
James S Martin					
Kwik	3	5-5	305	27,201	945
Weaverline Holsteins					
34	3	6-8	305	27,275	1000
82	3	4-3	305	34,005	1115
Louis E Martin					
14	3	3-5	305	23,166	881
Blue Mt View Farms					
144	3	9-1	305	20,956	860
34	3	4-2	305	23,869	907
Hoover Farms					
Amber	3	8-10	305	23,958	934
Twin-Gro Holsteins					
156	3	5-2	305	24,436	856
30	3	7-9	305	24,098	905
DGK-Holsteins					
Delight	3	8-10	305	20,744	876
Ken-Joda Farm					
Lucy	3	3-3	305	24,600	859
Becky	3	3-3	305	22,717	893
Martin G Martin					
71	3	8-10	305	28,799	941
Clifford Good					
57	3	3-2	305	24,774	993
Paul & Pattica Miller					
250	3	3-5	305	24,745	933
Joe Meily					
Joie	3	5-4	305	26,536	865
Dale E Maulfair					
12	3	3-6	305	24,722	906
Lola	3	3-5	305	25,395	996
Bruce R Heilinger					
Glimmer	3	8-7	305	27,299	923
Bruce R Heilinger					
Jennie	3	11-7	305	25,252	916
Udder Valley Farm					
41	3	4-2	305	19,704	945
Richard & Linda Krall					
Cutie	3	3-6	305	29,413	1071
Daniele	3	3-3	297	26,069	990
Dale L Hoover					
Lolly	3	9-2	305	27,065	963
Lilac	3	5-11	305	25,692	1024
Anabell	3	5-3	305	29,341	966
Fern	3	2-11	305	24,210	904
Ernest Hostetter					
18	3	4-5	305	25,912	940
David & Kathy Smith					
Viola	3	4-1	305	28,453	968
Dale Good					
17	3	3-10	305	31,294	1237
72	3	3-4	291	27,043	1193
2	3	2-11	294	27,310	976
David & Chris Williams					
Dena	3	3-0	305	19,846	869
Meadow Spring Holsteins					
25	3	8-4	261	21,915	900
58	3	2-1	305	24,995	896
Brenda & A Peiffer Jr					
52	3	6-0	305	21,406	850
Pearl	3	6-0	305	22,721	899
Alvin & Marlyn Horning					
60	3	3-2	305	24,727	923
Stanley & Sharon Horning					
L 85	3	4-5	305	24,066	877
Robert L Martin					
Andrea	3	4-3	305	24,819	1102
Galen Bollinger					
142	3	5-4	305	27,429	891
191	3	4-7	291	22,294	876
198	3	4-2	305	24,499	868
213	3	3-11	305	24,233	881
Kenneth Mase					
Rhoda	3	7-8	305	21,582	906
Karell	3	5-8	305	21,977	873
Harvey E Bomgardner					
Kim	3	8-1	305	20,192	856
Wernerway Farms					
62 W	3	6-5	305	26,167	857
65 W	3	4-9	298	25,022	883
135 W	3	4-2	305	25,868	919
Raymond & Marlin Getz					
Tulip	3	3-11	305	26,683	953
Sally	3	14-3	305	24,201	891



FARM MANAGEMENT

REDUCING THE RISKS OF FARMING

Roland P Freund
Farm Management Agent

We have gone through some experiences in 1991 which show us that farming is still a rather risky business.

Milk and hog prices have dropped about 25 percent, the country went to war, the summer drought was devastating for many corn crops, and now the largest buyer of our farm exports — the Soviet Union — has ceased to exist!

These happenings might encourage us to take a little more time than usual to look at the risks which confront us in agriculture.

Farmers are optimists by nature, so they tend to underestimate or even to ignore the risks which they face. This leads to major financial problems when a combination right and left punch hits as in 1991.

To learn from these events is to be better prepared with steps to reduce the impact of risk in the future.

Let's look at some of these risks, and consider a few strategies which might be used to reduce the potential for damage.

A. FINANCIAL RISKS. Investment in farm assets involves some risk. The biggest problem revolves around debt repayment. In the long term, farm assets return about 6 percent. If all of those assets are debt-financed at 12 percent, then we go in the hole 6 percent per year.

If half of the assets are debt financed at 12 percent, then we might be able to break even. Hence the importance of equity. The problem is even more critical when we start looking at southeastern Pennsylvania farmland purchases for $5,000 per acre and returns of less than 2 percent on such land.

To reduce investment risk, we need to adopt a strategy of paying off some debt before we try to borrow more money.

Production profit margins may not be adequate to meet obligations. This may be because inadequate income is generated, or operating expenses are too high, particularly for interest, feed, or labor (including family living).

Other contributing causes might be the quality of product (milk, fruit, etc.) or inputs such as forage, or the control of the business is in the wrong hands, such as when a salesperson decides ration or fertilizer purchases.

Only when we have a clear picture of the income, expenses, and margins of each farm enterprise can we hope to effectively improve profit margins. Just getting bigger will usually make matters worse.

B. PRODUCTION RISKS

1. Weather problems include not only drought, but flood, hail, frost, and wind. Sometime we feel that there is nothing that we can do about these "acts of God."

While we cannot change weather patterns, we can reduce the severity of losses. Growing more and different crops, and even planting early and late varieties (corn), can spread the risk and reduce it. Best management practices can help, and crop insurance can be used to protect against disaster.

2. Pests/diseases. Weeds, insects, parasites, fungi, etc. are all around us. Trying to eliminate them with a "nuke 'em" pesticide program is neither effective nor profitable. Scouting, checking infestation levels, and controling where needed can often save enough money to more than pay for crop insurance.

3. Manager/worker health and vitality. Crippling accidents or disease are significant risks for farmers. While medical insurance might seem like a financial burden, many families have it for protection. But disability insurance would be necessary to provide labor for a farmer who is disabled.

An active farm safety program maintained by mutual support is necessary everywhere.

Emotional strain and family disputes can drain energy efficiency and profits. The risk of these problems can be reduced by family/farm conferences, clear written agreements, the opportunity to build equity, and the simple process of assigning responsibilities and authority.

C. PRICE RISK. The sale price of farm products and the purchase price of inputs are quite volatile as we have seen in 1991. By having a marketing plan and a purchasing plan, it is possible to look ahead and to lock in some profits when they present themselves. Unless greed gets in the way of sound judgement, forward pricing, contracting, hedging, and options are tools which the prudent manager can use to provide some protection in the marketplace.

Conclusion

Risks can never be eliminated. But if we understand our exposure to risk, it is possible to take steps to reduce the potential impact of disasters. Managers who know how to manage risks will have a better chance to continue farming into the 21st century.

Assess Hybrid Performance Before Buying

DEKALB, Ill. — Farmers who want to improve corn profits in 1992 should assess hybrid performance before firming up their seed order.

"Analyze facts from your own and neighbors' experience, accumulate plot and demonstration results that apply to your situation and examine seed company and university test results from your general area," said DEKALB Plant Genetics regional agronomist Rick Mason.

He advises tracking a hybrid's consistency over several years and environmental conditions. One year's data is not a true picture of how a hybrid will perform.

Mason said farmers should give the same consideration to choosing hybrids that he gives to buying equipment, fertilizer, and herbicides. A farmer also should choose hybrids with characteristics that match his specific farming needs.

Maturity management ranks high on the list when choosing hybrids. "Offset stress and risk by conscientiously selecting hybrids of early, medium and full season maturity," Mason said. "That will improve the odds of successful pollination and spread the harvesttime workload."

The DEKALB agronomist suggests listing eight to 10 traits that are important to corn growing success under specific growing conditions. Pay special attention to standability, disease and insect protection, early vigor and early drydown, he said.

With standability, make your decision based on performance at harvest. Though disease and insect resistance are important, don't sacrifice another more important trait in order to get protection against a pest that rarely, or never, causes economic damage where you farm, Mason said.

4 BUILDINGS AND SUPPLIES

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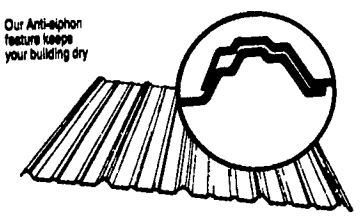

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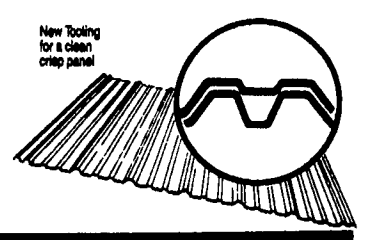

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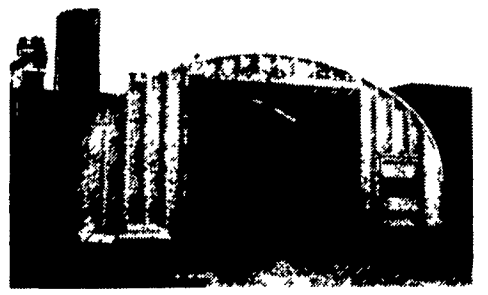

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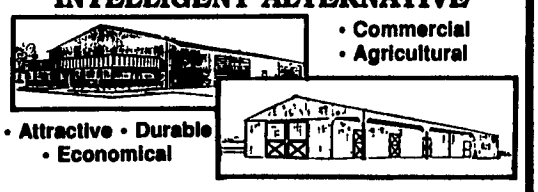

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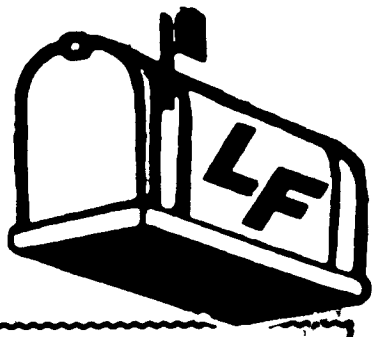

NOTE: Please do not use this form for Mail Box Market Ads, see instructions with Mailbox Markets.

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City _____ State _____

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Please publish my____word ad____times starting with the_____issue. Classify under #_____. I enclose_____.

Box Replies: Ads with answers coming to a box number, c/o Lancaster Farming: $1.50 per ad per week additional.

This newspaper will not be responsible for more than one incorrect insertion of any advertisement.

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SECTION C - WEDNESDAY AT 5:00 P.M.
SECTION D - THURSDAY AT 9:00 A.M.
OF EACH WEEK'S PUBLICATION

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'11 word minimum

Words	1 Time	2 Times	3 Times
up to 11	3.74	7.48	9.24
12	4.08	8.16	10.08
13	4.42	8.84	10.92
14	4.76	9.52	11.76
15	5.10	10.20	12.60
16	5.44	10.88	13.44
17	5.78	11.56	14.28
18	6.12	12.24	15.12
19	6.46	12.92	15.96
20	6.80	13.60	16.80

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1- Farm Equipment
1a- Construction Equipment
2- Farm Eq. Wanted
3- Silos and Unloaders

The following categories are available in your classified advertising. In Section D. Deadline- Wednesday afternoon at 5 of each week's publication.

4- Building and Supplies
5- Grain Equipment
6- Dairy Equipment
7- Livestock Equipment
8- Cattle
9- Horses & Mules
10- Sheep & Goats
11- Swine
12- Artificial Breeding
13- Hog Eq. & Supplies
14- Poultry & Supplies
15- Feed & Seed
16- Fertilizer
17- Plants
18- Fruits & Vegetables
19- Nursery
20- Lawn & Garden
21- Services Offered
22- Custom Work
23- Help Wanted
24- Situations Wanted
25- Business Opportunities
26- Household
27- Pets
28- Lost
29- Found
30- Computers
31- Notice
32- Miscellaneous
33- Recreational Vehicles
34- Autos
35- Trucks & Trailers
36- Real Estate

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40

(Phone Numbers Count As One Word)

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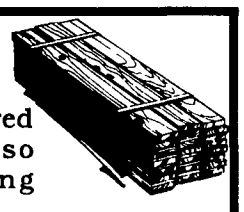

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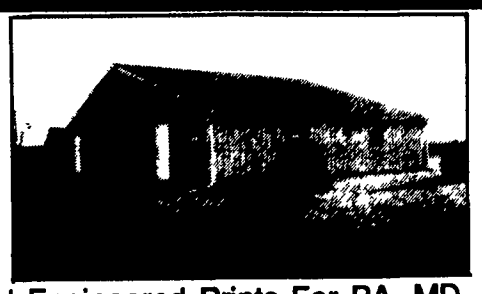

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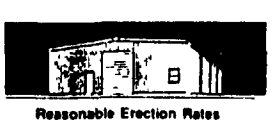

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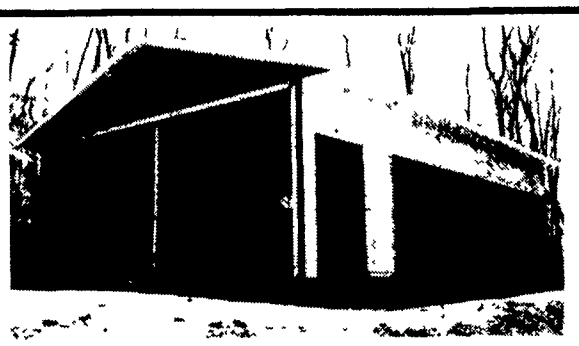

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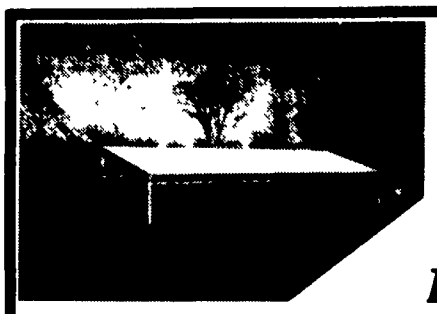

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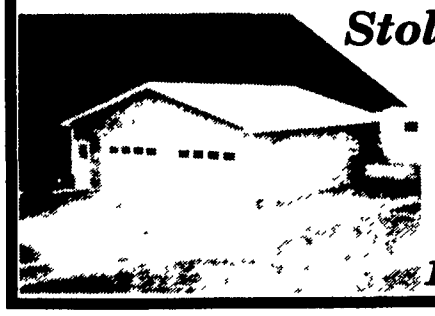

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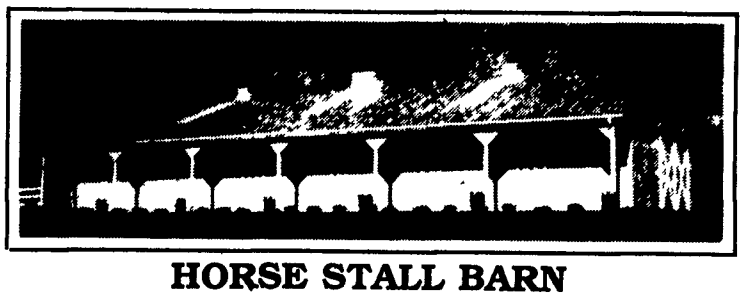

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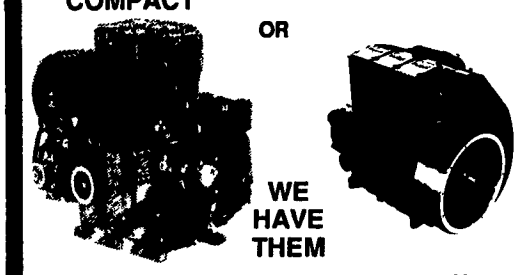

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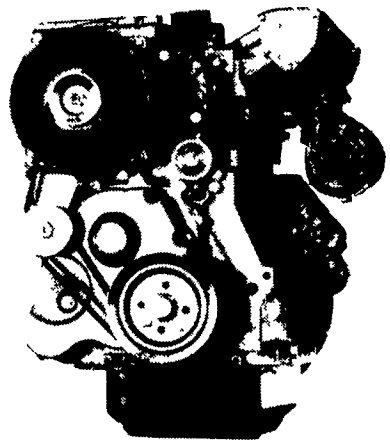

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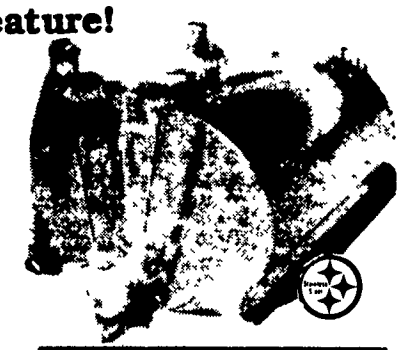

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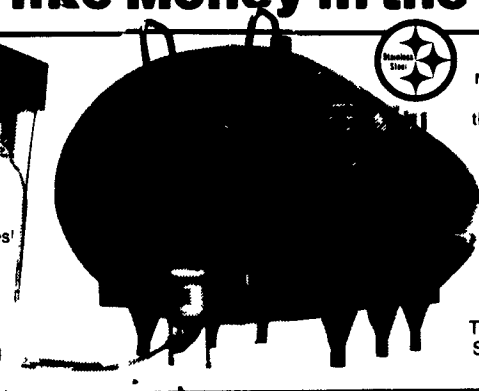

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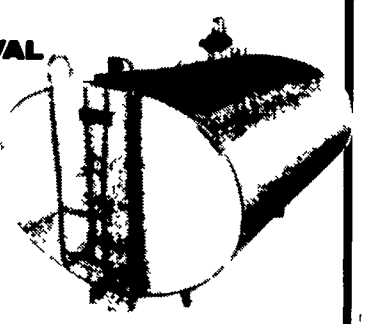

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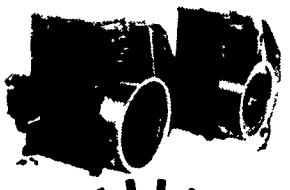

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- 500 Gal. Sunset
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- 500 Gal. Mueller "M"
- 500 Gal. Solar
- 600 Gal. Jamesway
- 600 Gal. Dari-Kool Recond.
- 600 Gal. Mueller "OH"
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- 600 Gal. Mojonnier
- 600 Gal. Mueller "M"
- 600 Gal. Girton
- 625 Gal. DeLaval
- 650 Gal. Steinhorst
- 800 Gal. Dari-Kool
- 800 Gal. Girton
- 800 Gal. Milkkeeper Storage
- 800 Gal. Mojonnier
- 800 Gal. Sunset
- 900 Gal. Mueller "OH"
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- 1000 Gal. Sunset
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- 1250 Gal. Surge
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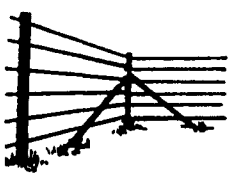

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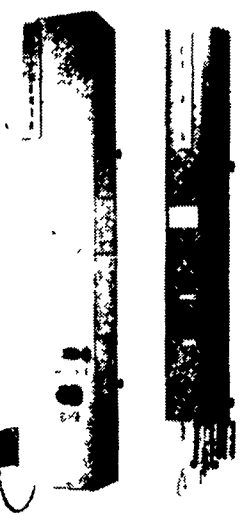

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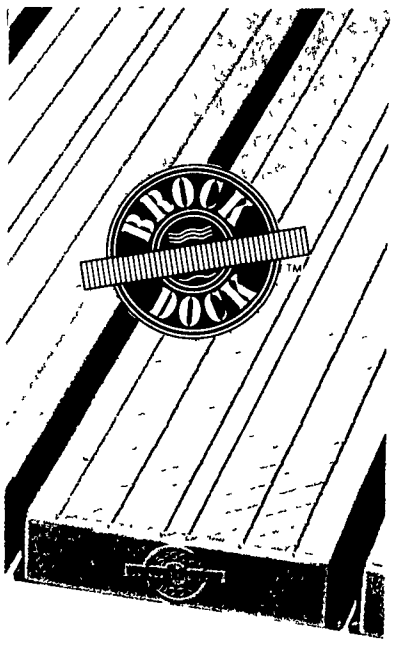

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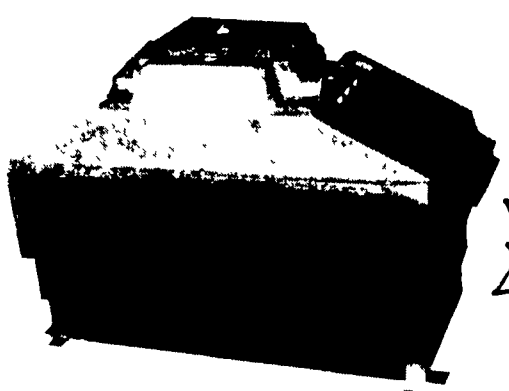

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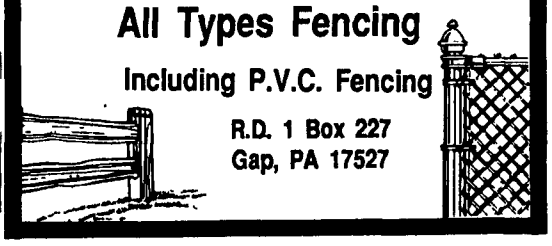

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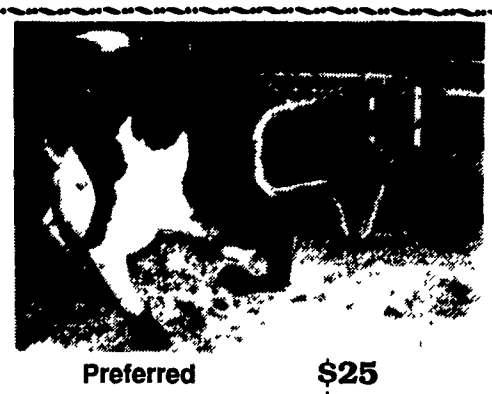

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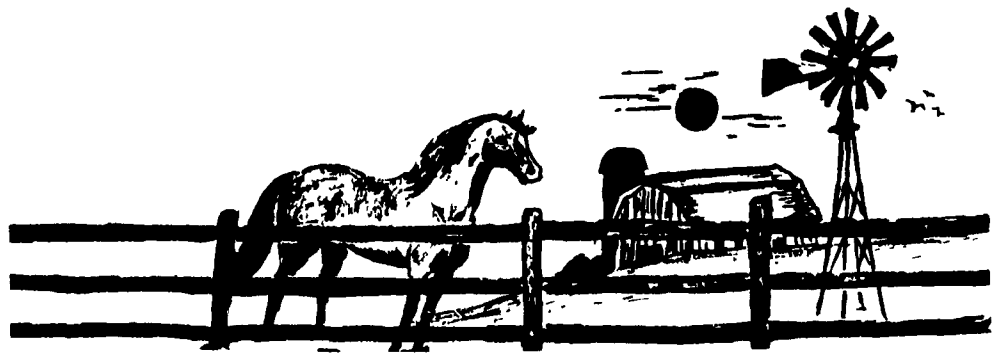

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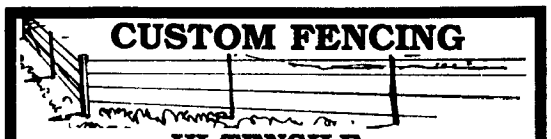

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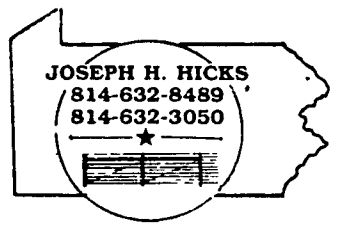

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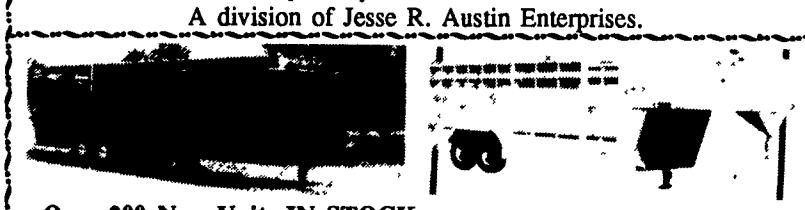

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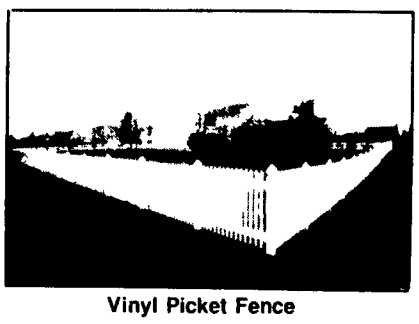
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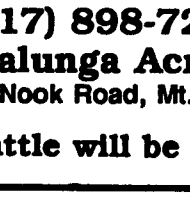

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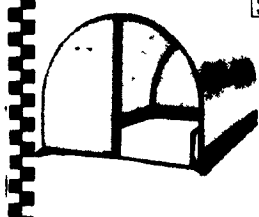

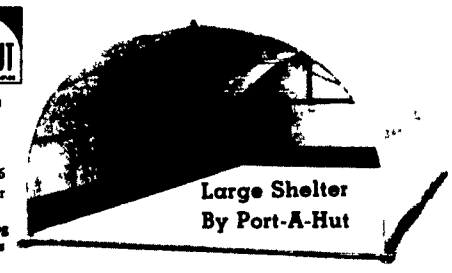

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Conformation, Scale, Pedigree, Proven Genetics!

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DAM: MOVIN' ON'S LITTERMATE
(Movin'on - Sold For $5,800 To Swine Genetics, Inc. Iowa After Going Res. Grand At Southeast Duroc Congress!)

NOTICE: LITTERMATE TO GILT WAS 1ST PLACE BOAR, 91' NATIONAL BARROW SHOW SOLD $7,750.00 TO MEXICO!!

NOTICE: Full Sister To Dam Of Gilt Was '91 PA Farm Show, Record Selling At $2,250.00!

NOTICE: Bloodlines Represented In This Gilt: Progeny II, Mango, Strongbox, Reo, Mangus, Watermelon, Red Wine, Tool Box, Red Bone, Truck, Epar

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Arnold's 75th Hog Sale Report

- 67 Bred Gilts Average $356. High @ $470 to Debra Hearn, Georgetown, De.
- 30 Boars average $378. High @ $700 to Leroy Schaefer, Upperco, Md. "AWESOME" This Record Setting Boar had Actual Scan Figures Of 320#, 107 Growth Ratio, .67 B.F., 9.04 loin. This was the largest loin ever scanned in our herd & Mr. Cherchuck reports the largest he has scanned to date.
- 28 open gilts average $179. High @ $205 to Raymond L. Bohns Sr., Doylestown, Pa.

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Bred Gilts Due Feb-March.

Consigning To Pa. Farm Show. Yorkshire & Duroc Bred Gilts. Yorkshires Carring Service To "CITATION" $2800 K.I.L.E. Champion Boar. These Sell Saturday, Jan. 11, 1992. Catalogue Call (717) 867-1809.

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60 Bred Gilts - 40 Tested Boars - 50 Open Gilts

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Free daily delivery to Pa. Farm Show.
Free delivery to Rochester, N.Y. January 25, 1992.

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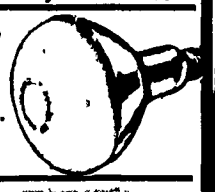

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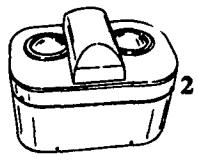

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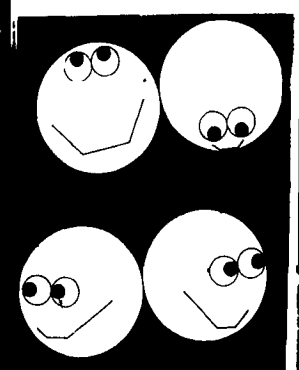

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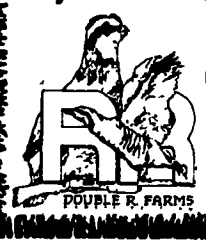

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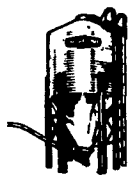

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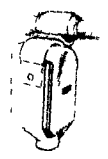

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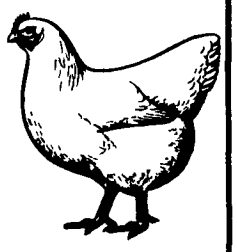

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1992

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207 Bu. Acre
Average 2 test - 205
Average 6 Tests 181.42

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Average 2 Test - 205.5
Average 6 Tests 173.05

See Dec. 7, 1991
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- Engine Oil
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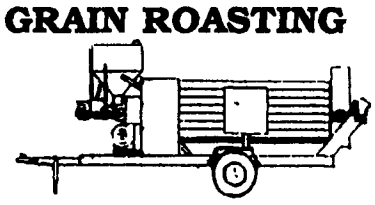
Agriculture Manure Storage Pumping, Tank Cleaning And Spreading Service.
Residential Septic Tanks, Holding Tanks And Cesspools.
Commercial Sludge And Sewer Hauling, Handled In Large Amounts.
Carl M. Hoover Liquid Hauling
Richland, PA 17087 (717) 866-7822

WE WISH TO THANK YOU FOR YOUR CONTINUED PATRONAGE AND HAVE A HAPPY AND A PROSPEROUS 1992.
AUKER'S CUSTOM BAGGING AND SEED SALES
Myerstown, PA
717/933-5224

GRAIN ROASTING

on your farm

- destorys mold
- removes moisture
- retards toxins

OBERHOLTZER'S CUSTOM WORK
Custom Milling & Grain Roasting
2743 Valley View Road
MORGANTOWN, PA 19543
(215) 286-2062

21 SERVICES OFFERED

Art's Services
Slate Work & Other Roofing. Also Spouting. Any Size Job. 717-665-ROOF(7663)

Cattle hoof trimming. No Sunday calls. (215)345-0897.

Cattle hoof trimming. Dan Martin, Jr., Cumberland County. (717)776-7895.

Clipper Blade Sharpening: Cattle blades $2.50 per set plus return postage, sheep and dog blades $3.50 per set plus return postage. Guaranteed. Send to Aaron E. Beiler, 915 W Main St., New Holland, PA 17557.

CORRECTIVE HOOF TRIMMING. Hydraulic table, gentle to cows ($8.00) Myron Nolt 717-548-2849.

Horse Transportation Local, Long Distance. Reasonable. Call anytime 717-432-3474. Experienced, Reliable.

Lancaster Power Wash, high pressure cleaning, residential and agricultural. Dependable, reasonable. (717)392-7178.

POLLINATION
Tony or Ellen B
HONEY BEE REMOVAL SPECIALIST. Wasps & Hornets. Venomous Insects. 1-800-47-STING

HOOF TRIMMING
Randy Keebaugh
Blair, Bedford, Fulton, Franklin, Huntingdon Counties, PA
Washington County, MD
717-485-5421
References

22 CUSTOM WORK

Craftsman Wanted to repair post/beam barn in Central Maryland, frame, roof; floor, need work. Provide own transport. 301-774-4410.

HERTZ-HAUL. Custom Hauling and Spreading of Liquid Manure, 5000 Gallon Vacuum Truck. 215-286-9708.

LIQUID MANURE HAULING
(717) 872-1981
Steve Lehman

22 CUSTOM WORK

Soybean seeds cleaned and bagged on your farm. NEWCOMER SEED CLEANING 717-653-4123.

23 HELP WANTED

Broodmare farm in Baltimore Co. has opening for settled man. Exercise, maintenance, excellent situation. Reference required. 410-771-4580 or Box 68, Butler, Md. 21023.

Man for dairy farm. Experience needed, references, housing and benefits provided. 717-464-3752.

Middle aged plus couple wanted to care for home and small beagle kennel. Man must have driver's license and willing to take over night trips. Small salary and free room and board, workman's comp Children welcome. Long Island, NY (516)499-8473.

PHOTO RESEARCHER: Immediate full-time position available. Requires some experience in Science/and or Agriculture. Pleasant office, good benefits. Hours 8:30AM to 5PM. Send resume by January 3, 1992, to: POB 317, Lititz, PA 17543.

Spray Truck Driver Wanted for full-time or seasonal work in York and Harford Counties, MD, good benefits, experience required. For appointment call Lebanon Agricorp 301/452-8144.

TRACTOR TRAILER DRIVER/CUSTOMER SERVICE. Must have clean driving record and meet DOT Regs. Agricultural based company, excellent benefits, salary commensurate with experience. Immediate opening. Send resume to: Personnel Manager, 55 Willow Springs Circle, York, PA 17402.

Wanted: Person w/dairy background to help w/the care and milking of 125 Holstein cow herd. Write: Lancaster Farming G-80, PO Box 609, Ephrata, PA 17522.

HELP WANTED
We need a market hog truck driver for a brand new semi. Job available first part of January. Good wages and benefits. For more information contact
Mike Miller at 1-800-468-5524
Or send resume to:
White Oak Mills
419 W. High Street,
Elizabethtown, PA 17022 M/F EOE

SALESPERSON WANTED
To sell to established dealers, prospective new dealers in Pennsylvania and nearby states. Wholesale seeds and agricultural products. Salary or commission.
Write to Box 204
Muncy, PA 17756
Or if experienced call
1-800-874-4803
for appointment or conference call

WHEN SEEKING A CAREER AS AN AGRICULTURAL PROFESSIONAL
Contact the Agricultural Employment Specialists
NORTHEAST
Agri-Employment Services
P.O. Box 233
Roaring Spring, PA 16673
(814) 224-4542
* An employer fee paid agency

23 HELP WANTED

$35,000/YEAR PART TIME. Ag Related Field, For Free Information Please Call 208-733-2323, or write A.S.A.A. Box 186, Twin Falls, Idaho. 83303.

Experienced dairy person or couple to work on dairy farm. Housing provided. Milking parlor and liquid manure setup. Call or write: San-Lee Farms, RD #2 Box 184, Selingsgrove, PA 17870 (717)743-8269.

Experienced pelletizer operator, steady work, good pay and benefits. Call (717)644-0437.

HELP WANTED
Welding
Painting
Production
(717) 768-3197
Pequea Machine
3230 E. Gordon Rd.
Gordonville, PA 17529

24 SITUATIONS WANTED

Couple w/children looking for employment on dairy or related business w/a future. Willing to relocate for the right job. Experienced in dairying and processing. References available. Write R-55, c/o Lancaster Farming, POB 609, Ephrata, PA 17522.

Desperate Man with Pregnant Wife; two children, needs job to support family. Call Patrick. 717-273-7918.

Husband and wife desire work on dairy farm, need housing. 215-756-6778

Non-Smoker/drinker, Christian farmhand in exchange for room/board. 717-225-6305

Farm Family wants a 50-70 cow dairy farm to lease on the shares or buy herd on milk assignment and cash rent. Competent in all phases of dairy, crop work, and maintenance Have some machinery. On farm housing required. Available spring 1992. (703) 364-1241

25 BUSINESS OPPORTUNITIES

47 commercial acres for sale along Rt. 147, Northumberland. Maybe subdivided. Call Classic Realty, Inc. (717)523-1000.

Want to make $15/hr. at home? Handmade item every dairy farmer needs. Easy extra income for men, housewives, teenagers, retired, and disabled. Free information. SASE to: Goodville Farm Services, Box 6, Goodville, Pa. 17528.

Wooden Craft Business, build and wholesale, minimum investment. Lanc. 215/267-3303.

26 HOUSEHOLD

Baker Fireplace Insert Stove, hot water jacket and hot air blower, good condition, $300. 717/463-2394

Maytag wringer washer, very good, $40. Two ironers, $5. (717)564-2277.

APPLIANCES
Central PA's oldest & largest used only appliance store now open in Lebanon. Over 150 rebuilt appliances to select from. All appliances guaranteed 1 year.
W.S. Enterprises
15 S. 9th St.
Lebanon, PA
717-272-2405

27 PETS

Male border collie, Reg., 14 months old. Father is a trial dog, Mother is working dog. Prefer farm home. 717-939-8581.

Siberian Husky pups AKC blk/wht $225. Born 11/12/91. No Sunday calls. (717)933-8764, Frystown.

Three Austrialian Cattle Dog Pups, 2 Male $25/each, 1 female $50, very good farm dogs, 717/354-7194.

For Sale Australian Shephard Puppies, make good pets, watch dogs and good with cattle. $25. 717/359-9620.

Golden Retriever Pups, adorable Christmas gifts, AKC quality, great for kids, reserve now, bring home in January. 717/564-7199.

Jack Russell terrier puppies, after Christmas special, 50% off while supply lasts. Male $47.50, females $75. (717)866-2091.

For Sale
Boxer Puppies
AKC, fawn males.
Ready now!
(717) 564-2277

POT BELLIED PIGS FOR SALE
$150 Each
Black or white
Male or Female
Buy 5 or more and get a 20% Discount
ELITE GENETICS INC.
1-800-333-3548

CUSTOM BUILT CHAIN LINK KENNELS

"We Specialize In Kennels"
Singles To Large Complexes
Apply To:
Quality Fencing & Supply
662 N. Shirk Rd.
New Holland, Pa. 17557
717/354-9760

ROTTWEILER PUPPIES WANTED
AKC Registered. Will Pick-up Entire Litter Anywhere in PA
717-584-2718
Call Between 6-8 PM

$ CASH FOR PUPPIES IN LITTER LOTS
For Resale As Pets
Cash Paid
Will Pick Up
Call Charlie Hackett
215-681-5236

PUPPIES WANTED
AKC PUPPIES With or Without Papers. All Breeds (Part and Whole Litters) PAID IN FULL-AND NO WAITING FOR YOUR MONEY.
DON'T SELL TILL YOU CALL US
KITTENS WANTED. Siamese, Persian and Himalayan Bought All Year (Mixed Breed Kittens Bought November Thru April)
"CALL NOW" *717/822-2033*

27 PETS

AKC Cocker Spaniel pups, Buff, shots and wormed. Males $125; Females $150. Call Evenings. 215-267-4398.

AKC Doberman puppies, deuclaw and tails removed, shots & wormed. 717/442-4387.

AKC English Springer Spaniels, 2 male, 2 females, 6 months old, started hunting, shots and papers. (717)528-7692 after 8pm.

AKC Siberian Huskies, blue-eyed beauties, many colors and markings, (717)665-2710.

Australian Blue Heeler Cattle Pups, 6 weeks old, 12/12 will hold for Christmas $75. John King, 35 Mud Level Road, Shippensburg, PA 17257

Australian Blue Heeler Pups, bred for working livestock, mother has excellent disposition. Ready to go 1/9/92. 717/438-3174.

Catahoula female, blue, 9 months, real nice dog. (410)635-6380.

Collie Puppies, AKC, champion bloodline, with tipped ears, sables and tri's, shots & wormed. Some herding instincts. 301/842-3829.

Double Registered Australian Cattle Dog puppies, Working parents, grandparents, first shots, wormed. 703-869-2452 or 804-566-1126.

31 NOTICE

WANTED: $40,000 for three years, will give first mortgage on 18 acres of prime Lancaster County farmland w/rental building. (717)354-5922

32 MISCELLANEOUS

LIQUIDATION SALE: New Clean Energy heat reclaimer for wood or coal, $129; New Mascot wood boilers and coal boilers, 8500 to 125,000 BTU, tested and listed, $795 to $995 limited quanities. Hiestand Supply Co. 717-426-1921.

Meat Grinders, Bandsaws, Slicers and Tenderizers. New spliting saws, only $249. Gerry Grundy, Doylesburg, PA on RT 75, 200 yds. North of Rt. 274. Open Saturday and Sunday 10AM to 4PM. 717-349-7654; 215-549-7584 Evenings.

Newspaper Bedding Chopper new $1699.99; also ton electric hoist new $500; Also several speed controls for fans $50 each. Leesport. 215-926-3717.

Radial drill 4'. Marvel #8 metal cutting band saw. Milwaukee horizonal milling machine. (2) 36" Taniwitz wood cutting band saws. (2) 5 ton chain hoist. 3 pallets of 12"x12"x2" fire brick. High pressure hose reels from fire truck. 20hp Worthington water cooled industrial air compressor. 500# 1/2"x4" lag bolts. 500 universal for power takeoff. Marlo 4" mud hog heavy duty. (908)938-3342

SAVE MONEY ON WOODWORKING MACHINES!
Band saws, jointers, planers, routers, scroll saws, drill presses, table saws, sanders, lathes, shapers, dust collectors & more in stock. 30 Day Free Trial! 1 Year Warranty. Call For Low Prices. 1-800-445-4669. Terre Hill, Pa.

23 HELP WANTED

SALES MANAGEMENT TRAINEE/ DISTRICT SALES MANAGER

American Breeders Service is currently recruiting for a Sales Management Trainee/District Sales Manager located in South Eastern Pennsylvania. The primary function of this position is to prepare the individual for future district sales manager responsibilities through formal training as well as on the job experience with company personnel. The main responsibility of this position is to learn how to effectively lead, coach and manage the districts independent business operators. Further responsibility is to effectively penetrate both dairy and beef markets and to attain annual sales goals by market segments, units, dollars and market share for all product lines.

The candidate selected must have a Bachelor of Science degree in Dairy Science, Animal Science or related field or have related equivalent experience. The individual should have good organizational skills, be self-motivated and have a high degree of integrity. Excellent written and oral communications skills are also required since they work with individuals at all levels both inside/outside of the company. Some travel is also required and the individual must be able to relocate within the district boundries.

To be considered for this position, interested applicants should submit a resume or application by January 6, 1992 to:

American Breeders Service
Regional Sales Office 020
2112 Cherry Valley Road
Newark, OH 43055

or

American Breeders Service
Human Resource Department
Attn: Dwight M. Williams
DeForest, WI 53532

25 BUSINESS OPPORTUNITIES

FOR SALE
(HUNT. CO.)
$1,000,000.00 Plus
Business Opportunity

1. Feed Mill (Well stocked with good business)
2. Tractor Implement Supply Business (well stocked).
3. Pro Hardware Business (well stocked)

The above businesses are to be sold complete with inventory, tractors, trucks, land, equipment, buildings, house, tools, etc.

Smooth transition & financing to the right buyer. Excellent opportunity for two families, owner retiring.

SHADE GAP MILL
Box 672, Rt. 522
Shade Gap, PA 17255
814-447-3388 Home
814-259-3258 Bus.

32 MISCELLANEOUS

Farghar saw mill, 18' carriage, 55' track, husk w/belt feed works, $2,500. (215)679-6726.

Farm Toys-Collector Series, Show Tractors, Pedal Tractors, Trucks-for sale at all times. Visit our large display during business hours. Wengers Farm Machinery, Inc., 251 S. Race St., Myerstown, PA 717/866-2130.

Kiln Dried Hardwoods, white pine. Mouldings and picture frames. Schuykill. 717/386-2872.

TIRONIE'S TARPS. SHIPPED ANYWHERE. 1-800-874-2928.

Trailer loads sawdust and high moisture corn. Delivered. 717/724-1946 after 6 PM 717/724-1116.

WANT: Antique or unusual animal traps. North American game heads: Moose, Deer, Bear, Sheep etc. (215)275-8498 evenings.

WANTED: 1 or 1½ HP meat grinder. 215-754-6298.

Windpower System, complete with 62' tower, generator, control panel and 5KW Inverter. Due to moving must sell $3,000 717/349-2192.

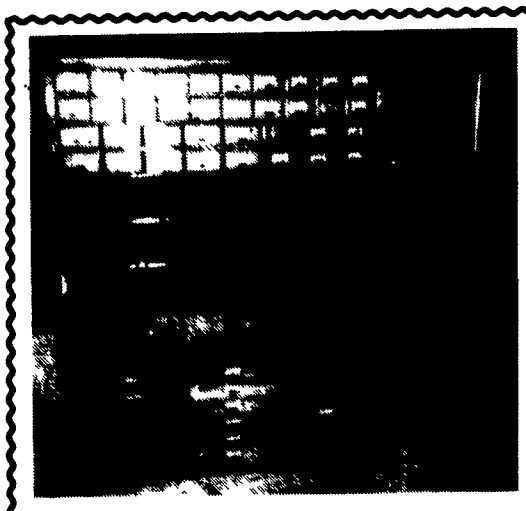
32 MISCELLANEOUS

2'x4' fluorescent lights w/ lense, have 4' tubes included, $10. (215)267-6628.

Apple II-E, 64K, 2 disk drives, many programs, $500. (717)838-4610.

Approved country lot, Farmersville. 1986 F-150 Supercab XLT, excellent condition. (717)738-1742.

Dump-body for pickup. New/never used. Has warranties. Originally $1700. Now $1200. 215/286-9497.



For Sale
Oak Machine Shop Cabinet
Very Nice, Would Make Nice Christmas Gift
717-438-3354

PAINTED STEEL ROOFING & SIDING
- Galvanized/Galvalume
- 29/26 Gauge
- 3 Major Brands Available
- Large Stock Trim & Sheet
- 5V Crimp Metal

AS LOW AS $32.00 per/sq.

Conestoga Building Supply
New Holland, PA 17557
717-354-2613 or 1-800-544-9464

33 RECREATIONAL VEHICLES

1988 Yamaha Big Bear 350CC, 4WD, rev. elect. start. Nice shape, $2,700 OBO. Burl County. Leave message, (609)859-1470.

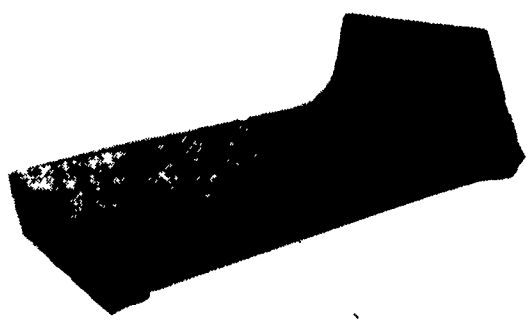
35 TRUCKS & TRAILERS

1990 Ford E250 Super Cargo, 302, ATO, AT, PS, PB, 41,000 Miles.

1989 Chev. G30, Dual Wheel, Hi Cube, 14', 10,000 GVW, 350, AT, PS, PB.

717-354-3199

TRUCK BODIES



Replacement Truck Beds

A complete line of heavy-duty all steel truck beds for utility or recreational purposes. sizes range from 6' to 12' lengths and fit all Chevrolet, GMC, Ford and Dodge pickup trucks. Sizes also available to fit Toyota, Nissan and other mini trucks. All truck beds have bulkheads constructed from 1 ½" square tubing, diamond plate beds, rub rails with stake pockets and a 15" drop rear end. Cutouts are provided for tail lights along with mounting plates for marker lights on each corner. All beds are primered and painted standard black.

Made in U.S.A

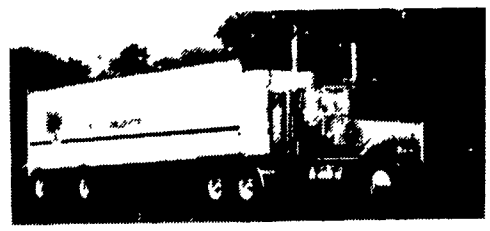
LENGTH	WIDTH	RAIL WIDTH	LIST
7 Ft.	66" or 78"	34, 38 or 40"	$575
8 ½ Ft.	80" or 90"	34 or 38"	595
10 Ft.	90"	34 or 38"	725
11 Ft.	90"	34 or 38"	850
12 Ft.	90"	34 or 38"	960
14 Ft.	90"	34 or 38"	1050
16 Ft.	90"	34 or 38"	1200
18 Ft.	90"	34 or 38"	1400
20 Ft.	90"	34 or 38"	1600

Standard Features Include:
Head Board Stake Pockets Rub Rails
Diamond Plate Steel Floor or 2" Wood Floor

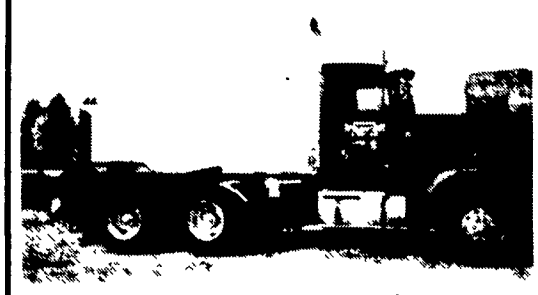
Installation Available
• Trailer Hitches • Body Accessories • Goose Neck Plates
• Hoists • Dump Kits • Trailer Towing Packages

RINGO HILL FARMS EQUIP. CO. INC.
1624 Rt. 212, Pleasant Valley • Quakertown, PA 18951
(215) 346-7340 FAX: (215) 346-8041

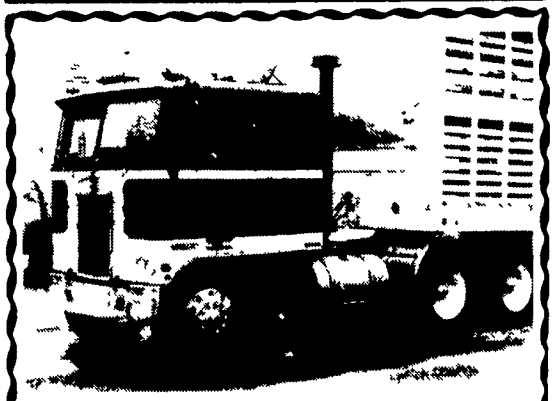
1978 White Conventional
400 Cummins, 13 Speed Trans., 4.11 Rears, 4 Spring Ride, Wetline 11-24-5 Tires, $7,500
717-738-1312



1987 Wilkens Walking Floor Trailer 42'x12'6, 94 cubic yard, rollover tarp, 10'1" spread w/Turner air ride, 11R24.5 on Budds, Good Condition
$28,000
(717) 733-1602



1983 Kenworth
300 Cummins, 9 Sp., 11:22.5 Tires - Wet Line
Excellent Condition
$12,000.00
Call 717-626-8538



1977 KW 350,
big cam, new 24.5 caps, 15 speed, air ride cab, $5,500
717-367-3838
or 717-367-1520

YES!!
ENGLE FORD
DOES MAKE IT EASIER!!

Over 100 New & Used Trucks, Vans & 4x4's

1990 F250 4x4, HD, XLT, Diesel, 5 Speed
1990 F250 4x4, XLT, V8, AT, AC, Window & Locks
1989 F250 4x4 Super Cab, Diesel, Automatic, A/C, Loaded
1990 F150 4x4, XLT, V8, AT
1987 F350 Dump, 6.9 Diesel, 5 Speed
1982 F350 Chassis Cab, V8, 4 Spd, 13' WB
1989 F250 AC, 5 Speed
1986 F250 XLT, AC, 4 Speed
1986 Chevy Beauville Window Van, 5 passenger, 6 cyl., automatic, 16,000 mi.

ENGLE FORD, INC.
Rt. 147 North
Millersburg, PA 17061
The Call's On Us 1-800-242-8075
1-717-692-4841

USED TRUCKS & TRAILERS

1988 Int. 9370 - 3406B - 350 HP, Jake, RTO14613, PS, Hendrickson Suspension, 11R22.5 Spoke, Wet Line, Very Clean & Excellent Condition
1975 Mack R686 ST - Just Rebuilt 676-285 H.P. w/ Dynataro (Still Uninstalled), New Clutch, Rebuilt Air Compressor, New Turbo, Approx. 40,000 Mi. On Factory Rebuilt Rears, New Holland 5th Wheel, PS, Wetline, 5 Spd. Trans. This Is A Nice Solid Older Truck. To Be Sold With Or Without Engine Installed. Would Consider Parting Out.
1989 East 34' Tri-Axle Alum. Dump Trailer Steel Frame, Heated, 2 Way Gate w/Coal Door, Roll Tarp & Bows, 72" Sides (60 c.y.) 11-24.5 Spoke, Hardly Ever Used.
1978 T. Brock 28' Alum. Dump Trailer - Heated, 11R24.5 Spoke, Nice!
1975 Fruehauf 30' Alum. Dump Trailer Heated, 11R24.5 Spoke, Newly Rebuilt Cylinder. Very Clean
1978 Fruehauf 42' Flat 11R22.5 Spoke, Slider.
(717) 875-4555

1990 Ford F-150 XLT Lariat, 4x4, 300 6 cyl., 5 Spd., AC, CR, Tilt, AM-FM, 23,000 Mi. $11,900
1989 Olds Delta 88 Royale, 4 Dr., V6, AT, Loaded, 51,000 Mi. $7,900
1989 Chevy Cavalier Z24, V6, 5 Spd., AC, AM-FM, 19,000 Mi. $8,400
1989 Eagle Premier LX 4 Dr., V6, AT, Loaded, 59,000 Mi. $6,900
1988 Ford Club Wagon XL, 8 Pass., 460 V8, AT, AC, CR, Tilt, AM-FM Cass., 56,000 Mi. $9,600
1988 Ford Taurus L 4 Dr., 4 Cyl., AT, AC, PW, AM-FM Cass., 39,000 Mi. $5,800
1988 Chevy Celebrity 4 Dr, V6, AT, AC, CR, AM-FM, 45,000 Mi. $5,900
1988 Dodge Ram 350 15 Pass. Maxi Van, 360 V8, AT, Dual AC, 26,000 Mi. $8,800
1986 Olds Cutlass Ciera Brougham 4 Dr., 4 Cyl., AT, AC, Tilt, AM-FM, 55,000 Mi. $4,800
1984 GMC Vandura 2500 Panel Van, V8, AT, 86,000 Mi. $2,900
1984 Honda Accord LX, 4 Dr., 4 Cyl., AT, Loaded, 85,000 Mi. $3,900

Brubaker's Auto Sales
Myerstown, PA
717-866-5237

HOSTETLER TRUCK CLEARANCE

1974 International Cab Over, Cat Diesel, 5 Speed, 26,000# GVW, 14' Grain Body with 40" Sides and Knapheide Hoist Was $5,700 ..... NOW ONLY $4,995
1986 GMC V8 Gas, PS, Air Conditioning, 5 Speed, 28,000# GVW, New Danco 26' Roll Back Bed, Only 38,000 Miles On Truck $17,900
1972 International Model 2110 Dump Truck, 5-2 Speed, Air Brakes, Very Good Thiele 9', Dump Body ..... Super Buy at $3,850
1981 Ford F350 Dump Truck, V8 Gas With 4 Speed, PS, 8' Dump Body, Good Little Work Truck $5,950
1978 Ford F700 Dump Truck, V8 Gas, 5-2 Speed, PS, 70,000 Orig. Miles, Truck Just Reconditioned and Painted $5,500
1974 Ford F700, V8 Gas, 5+2 Speed, 26,000# GVW, Air Brakes, Cab and Chassis.. $3,295
1975 Ford F600, V8, Gas, 5+2 Speed, 21000# GVW, New Harsh Hoist, New Knapheide 14' Grain Bed with 40" Sides $7,550
1986 GMC 44 Passenger Bus, V8 Gas, PS, New Air Conditioning, Very Good Condition $6,400
1977 Chevy, V8 Gas, 5&2 Speed, 30,000# GVW, PS, New Paint, New 16' Knapheide Grain Bed with 52" Sides and Knapheide Hoist. Was $10,900 Now Only $9,800
1957 Ford Big Job, 25,000# GVW, V8 Gas, 5-2 Speed, 20' Van Body $3,250
1985 GMC Cab and Chassis, V8 Gas, 5 Speed, Air Conditioning, 88,000 Orig. Miles, 28,000# GVW, 132" CA $6,295
1979 International, V8 Gas, 4 Speed, 16,000# GVW, 12' Bed with 8 Ton Hoist, Very Good Condition $5,295
1970 International Cab and Chassis, V8 Gas, 4 Speed, Will Take 14' Body, Best We Have Seen for the Age $2,195
1979 Ford F-700, 5 Speed, V8 Gas, 27,500# GVW, 14' Flat Bed, Good Condition . $4,995
1979 International S1600, 20,200 GVW, V8 Gas, 5 Speed, New Knapheide Hoist and 14' Bed with 28" Removable Sides and Dump Truck Style Tailgate, Full Height Cab Protector, Tool Box, 34000# Orig. Miles, Very Good Landscaper Truck $9,450

Hostetler Truck Bodies & Trailers
Rt. 322 Milroy, PA 17063
(717) 667-3921

34 AUTOS

'88 Chevy Caprice, 4 door, 350 auto. overdrive, PS, PB, air, AM-FM, black w/ blue interior, some miles, excellent condition, $3,900. 717-733-2873

35 TRUCKS & TRAILERS

'86 GMC 3500 dual whl. w/9' Omaha standard stake body, 350 auto., PB, PS, AM-FM, dual tanks, excellent condition, $6,950. 717-733-2873

'87 Chevy C30, dual whl. w/9' Stahl utility body & ladder rack, 350 Fl., 4 spd., PS, PB, AM-FM, 34,000 miles, red, excellent condition, $9,700. 717-733-2873

'87 Ford F150 Super Cab, 300 EFI., 3 spd. overdrive, PS, PB, AM-FM, dual tanks, 6,250 GVW, 36,000 miles, blue & white, excellent condition, $7,450. 717-733-2873

'88 Chevy 3500, dual whl. w/9' fully enclosed utility body, 454 auto., PB, PS, air, AM-FM stereo, dual tanks, 51,000 miles, excellent condition, $9,200 717-733-2873

'89 Chevy 2500, HD, ¾ ton, 350 Fl., 4 spd., PS, PB, AM-FM stereo, 8,600 GVW, 17,000 miles, dark blue, $8,975. 717-733-2873

'89 Dodge B350 Maxi Cargo Van, 318 auto., PB, PS, AM-FM stereo, 7,500 GVW, Michelin radials, excellent condition, $8,975. 717-733-2873

'89 Dodge D250 HD, ¾ ton, 4x4, 360 auto., PB, PS, air, AM-FM stereo, 8,510 GVW, Michelin radials, blue, $8,975 717-733-2873

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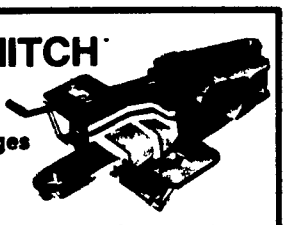

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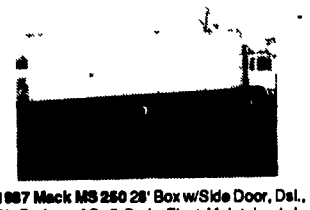

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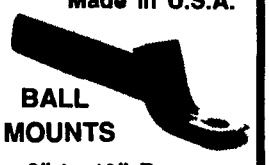

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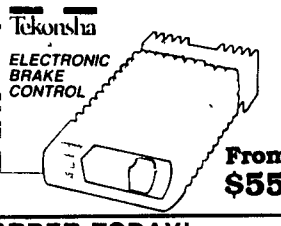

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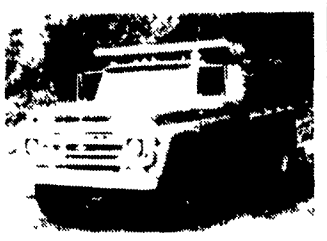

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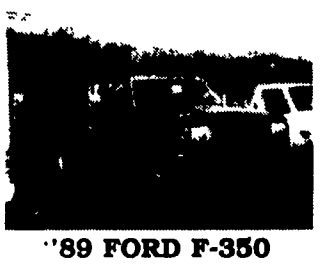

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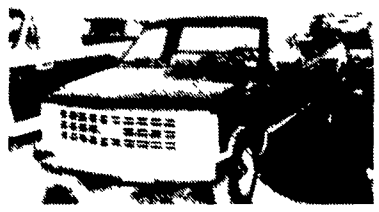

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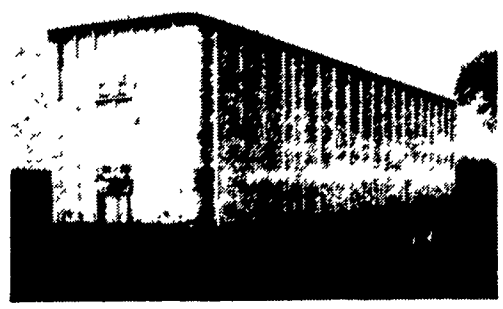

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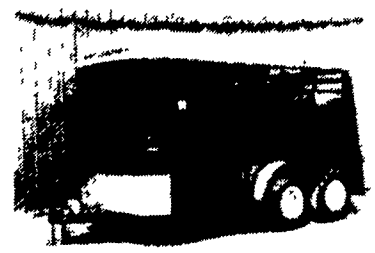

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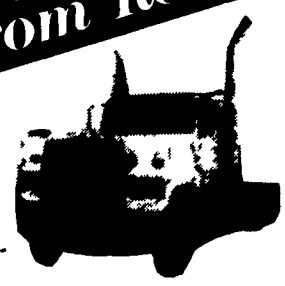

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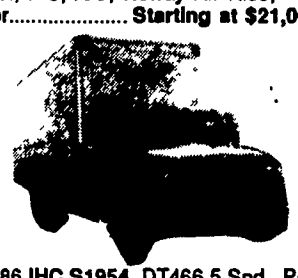

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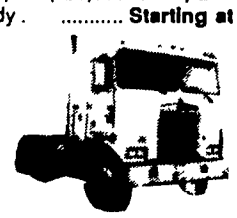

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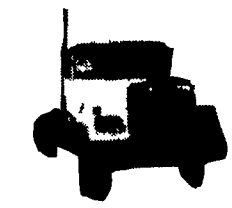

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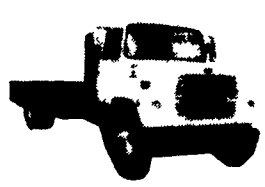

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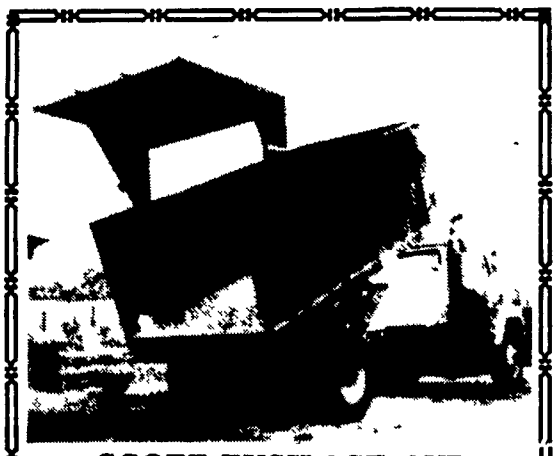

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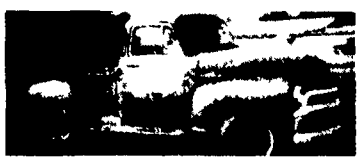

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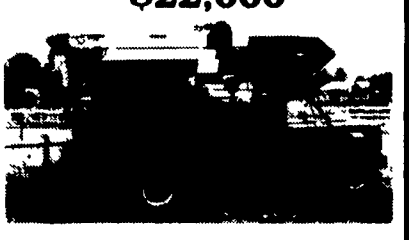

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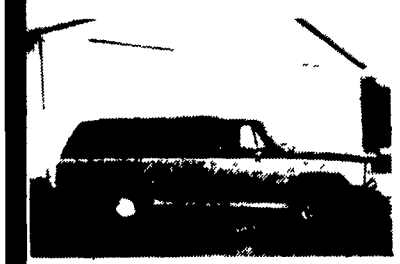

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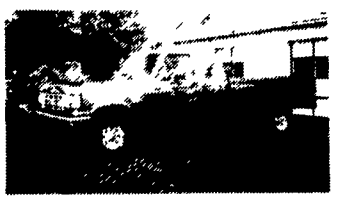
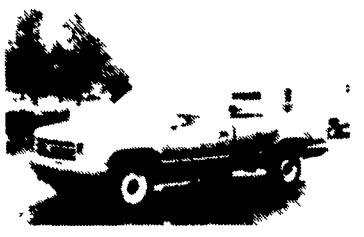


1990 FORD F150 4x4 SUPER CAB
302 EFI, 5 Speed, PS, PB, Air, AM-FM, Dual Tanks, Lock Out Hubs, 17,000 Miles, With Bal Of Factory Warranty, Ex Cond.
$13,500

1990 CHEVY 2500 HD ¾ TON
4x4, 350 Auto, PS, PB, 8600 GVW, Limited Slip Differential, 6,000 Miles, With Bal. of Factory Warranty, Like New
$13,500



1988 CHEVY 1500 ½ TON 4x4
4.3, V6, H.D., 4 Speed, PS, PB, 18,000 Orig. Miles, BLue, Local, 1 Owner, Ex. Cond.
$8,975

1990 FORD XL E350 CLUB WAGON
12 Pass., 351 EFI, Auto, PS, PB, Dual Air & Heat, AM-FM, Dual Tanks, Privacy Glass, Charcoal, Ex. Cond.
$11,500

A & J AUTO SALES

798 East Main Street - Rt. 322 East
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Specializing In Late Model, Low Mileage Trucks
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The Eby Wrangler...

★ Better Looking
★ Better Built
★ Better Value

The Wrangler Model 2000-OH represents a new level of value in livestock trailers.

Its standard specifications, top-quality components and proven engineering are found in other Wrangler models. But the new 2000-OH is less expensive. By standardizing height and width and by limiting the number of optional accessories, Eby lowers the production costs for this model. Now you can get all our traditional craftsmanship in a top-value gooseneck.

Unlike other "budget" trailers on the market, the Wrangler 2000-OH achieves a price breakthrough without compromising quality. Consider these features, standard on the new Wranger 2000-OH:

- 7,000# Dexter Torque-Flex axles
- Steel-belted radial tires, 10-ply rating
- Aerodynamic, attractive design
- Sealed beam lights with enclosed, externally accessible wiring
- 2-year warranty

Specifications

- Available in 14', 16', 18', 20' lengths
- 7' Width
- 6'6" Inside height

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717/354 4971 FAX 717/355 2114 800/292-4752

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(Next To Landis Bros. John Deere)

The GMC GIANT of Lancaster County

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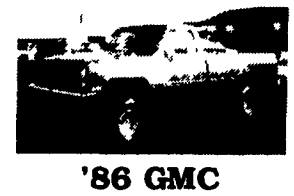
OVER 120 TRUCKS AVAILABLE!

All Of Our Trucks Are PA State Inspected And Ready To Go!

'88 FORD F-250 4x4
AT, AC, 460, V8, Only 26,000 Mi. #6562
Was $12,495
NOW **$9,850**

'87 FORD F-350 UTILITY BODY
AT, V8, AM/FM, Only 10,000 Mi. #6608
Was $11,995
NOW **$8,750**

'91 GMC H.D. STAKE DUMP
14 Ft. Duty Body, V8, AT, 15,000 GVW, Demo #1065
Was $27,400
NOW **$22,900***
Also - 2 Chassis In Stock

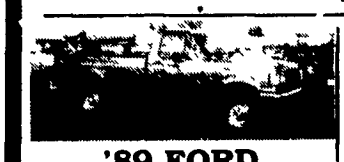


'86 GMC 4x4 BIGFOOT
High Sierra, V8, AT, AC, 49,000 Mi. #6620
Was $10,900
NOW **$9,500**

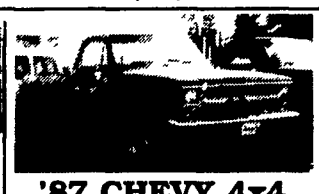
'87 FORD F150 4x4
#6587
40,000 Miles
Was $10,900
NOW **$8,500**

DIESEL

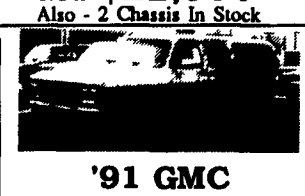
'90 GMC SUBURBAN 4x4
Loaded, All The Toys, #6623
Was $17,900
NOW **$16,200**



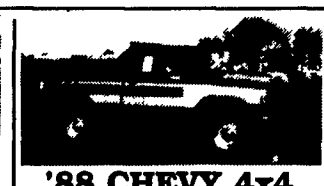
'89 FORD F-250 4x4
8600 GVW, V-8, AT AC, Sharp! #6555
Was $13,995
NOW **$11,800**



'87 CHEVY 4x4 PICKUP Short Bed, V8, AT, AC, Very Clean #6524
Was $9,995
NOW **$8,400**



'91 GMC SUBURBAN 4x4
Sierra Classic, Loaded, Factory Demo #6616
Was $27,000
NOW **$20,590**



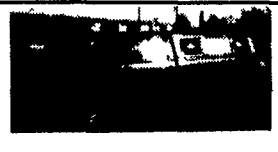
'88 CHEVY 4x4 CHOO-CHOO V8, AT, AC, Loaded #6544
Was $12,900
NOW **$10,750**

'92 GMC SUBURBAN
#2417
In Stock, 3 Others

DIESEL

'87 GMC CREWCAB 4x4
AT, AC, Sierra Classic, Very Sharp #6596
Was $13,900
NOW **$11,750**

'88 FORD F-150 CLUB CAB
XLT, AT, AC, V8, Very Clean #6563
Was $12,995
NOW **$10,550**



'88 CHEVY ¾ TON 4x4
AT, AC #6590
Was $12,900
NOW **$9,850**

'87 CHEVY S-10 BLAZER
V6, AT, AC, Priced To Go #6621
Was $6,995
NOW **$4,850**

'89 FORD F-250 4x4
Dump Bed, V8, AT, #6560
Was $13,900
NOW **$11,775**

(2) '89 CHEVY ¾ TON PICKUPS
V8, AT, AC, Work Trucks (Company Trade-Ins) #6454
Were $10,995
MAKE AN OFFER
You Pick!

'78 FORD F-150 XLT 4x4
V8, AT, AC, #6617
Was $3,995
NOW **$2,400**

* Includes Applicable Factory Rebates

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30 MIN. from HARR.
30 MIN. from LANC.
30 MIN. from READING
45 MIN. from YORK

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(Across From The Boscov's Mall)

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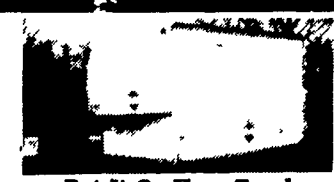
Diesel 83 Chevy C-10
6.2 AT, AC, Silverado, Excellent Body, Probably Needs Head Gasket
Sold As Is

4 Door 4x4, 90 Ford F-350 XLT Lariat Crew Cab, 460 AT, AC, Only 8,900 Miles
New Truck Warranty

Muscle V8 88 Ford F-250
460 Auto, AC, Tow Pkg., 8800 GVW, 39,000 Miles

Super Duty Dump, 89 Ford F-450 Stake Body Dump, 460, AT, 18,000 Miles, 12 Foot Reading Box, New Truck Warranty



Put It On Your Truck
12 Foot Aluminum Box, Swing Out Rear Doors, Excellent Condition
$1,495

Diesel Stretch Cab 88 Ford F-250 7.3 Diesel, 5 Spd, O/D A/C, Real Nice

87 GMC 4 Door Dually Beautiful Southern Coach Conversion, 24,000 Original Miles, 454 AT, AC, Tow Pkg.

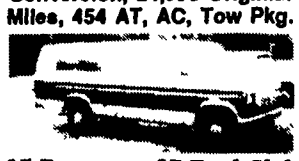
88 Cadillac Sedan Deville
Luxury At Its Finest, Beautiful Black Finish, V8, AT, Frt. Wheel Drive, Loaded With Comfort, 29,000 Miles

85 Oldsmobile Wagon
9 Passenger, Plenty Of Room, V8, AT, Rear Seat, Very, Very Clean
$4,995
Trades Accepted, Financing Available

89 Chevy C-30 Cube Van
350 V8, AT, 33,000 Original Miles, 14 Ft. Aluminum Box

85 Ford F-350 Crew Cab Dually
XLT Lariat, 460, AT, AC, Very Nice

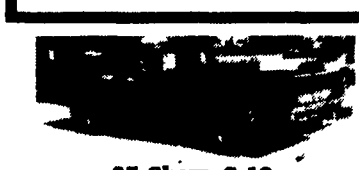
86 Ford F-250 Super Cab
Great For Trailer Towing, 460, Auto, AC, Dual Tanks, Very Clean



15 Passenger 87 Ford Club Wagon XL 351, AT, Tilt, Cruise, AM/FM Cassette, Frt. & Rear AC & Heater, 41,000 Original Miles

87 Chevy C-30 Dump Truck
Only 7,000 Miles, 350, 4 Spd, 10 Foot Thiele Lo Side Bed With Cab Protector

4 Door Dually 86 Chevy C-30
454 4 Spd., Runs Super, Nice, Real Strong



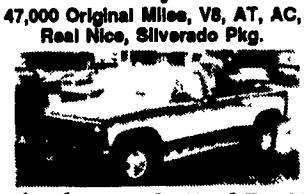
85 Chevy C-10
47,000 Original Miles, V8, AT, AC, Real Nice, Silverado Pkg.

4x4, 85 Chevy C-10
Very Nice, V8, 4 Spd, A/C, Runs Great
$6,995

6 Wheel Drive, Diesel Power 89 GMC Stretch Cab Dually
6.2 Diesel, AT, AC, 29,000 Original Miles

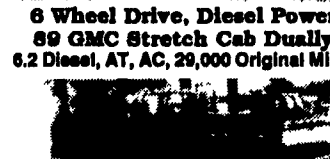
Diesel 4x4 Enclosed Utility Box
7.3 Diesel, AT, AC, Stetch Cab, A Hard To Find Truck

90 Ford F-350 4 Door
7.3 Diesel, Auto, A/C, 24,000 Miles, Ladder Racks, Tool Chest, Very Nice



Diesel Power 86 Ford F-350 Dually 6.9 Diesel, AT, AC, Tilt, Cruise, Dual Tanks, A Great Towing Machine.

Diesel Power 90 Ford F-350 Crew Cab Dually 7.3 AT, Lock-Out Overdrive, Dual Tanks, 20,000 Miles



4 Wheel Drive, 85 Ford F-250
XLT Lariat, V8, AT, AC, 60,000 Miles, Very Nice

35 TRUCKS & TRAILERS

16ft. flatbed, dual axels, gooseneck trailer. Loads from back or sides. Used very little. $5000. 814/263-4997.

1955 Ford Fire Engine, 750GPM Hale pump, 1000 gal. tank. Fannett Metal Fire Company. Contact George Rotz 717-349-7246 after 6PM; Fire Company 717-349-2212.

1963 International 1600 Loadstar tractor, 345 engine, 5x2 trans, $800. 717-776-4321.

1967 Mack R Model, 237 10 speed tandem, PS, wet line, $4500 OBO; 30' Steco demolition dump trailer, high sides, $6500 OBO; (3) 40' drop deck, good hay trailers $1200/ea OBO; 40' Refrigerator trailer, front unit, good $1200 OBO; 1973 White cabover tandem axle roll off truck, good starter truck, $4500 OBO. 717-273-7474.

1969 Ford T850 tractor, good condition, $1500. 609-461-1253 after 5PM.

1977 RL700L Mack, 300+, 13 speed, wet line. (717)653-9175.

1979 Ford 534 engine, 40,000 original miles, $1000. 609-461-1253 after 5PM.

1984 Ford F-150 Explorer, 6-cyl, 4-spd., 75K, one owner, in good condition, $2,485. 215/593-6394.

1986 Chevrolet, G70, 20'flatbed, 366gas, 5spd/2spd, dual tanks, 58,000 miles, 28,000GVW, good condition, $8,500. 717/672-9080.

1970 Chevy 1 Ton Stake Body, 10' Bed, Runs Excellent
$850 OBO
Call Eves.
908-322-4038

Bittner Boys, Inc.
Quality Chevy V8 Motors for Cars, Trucks and Boats. We Install And Deliver.
35 Years Of Experience
1 and 5 Year Warranty Avail-
717/762-7940

HOLIDAY SPECIAL
Rebuilt Chevy Motors
305, $650;
350, $750;
366, $1,050
with exchange
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Special Sale!

Trailer Hitches For Most Vehicles
Brake Controls, Sway Bars, Pintle Hooks "Litemate" Tees, Plugs, Etc.
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CHEVY MOTORS
New & Rebuilt
350, 366, 427, 454
6.2 Diesels
Rebuilt & Used
Will Install Roll Back Service (at cost)
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E-TOWN DODGE
(8) 4WD, Diesel Pickups, In Stock Ready For Delivery
DODGE
'89 K-1500 P.U., 26,000 Original Miles
'85 Ford F-350 Dual Rear Wheel P.U., 4 Sp. 460 Eng.
'88 4x4 250 P.U.
'88 4x4 150 P.U.
'90 2x4 150 P.U.
Club Cab Diesels Are Here
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Elizabethtown, PA

36 REAL ESTATE

COUNTRY RETREAT, 145 acres, 2 acre pond house w/5BR, fireplace, satellite TV, adjacent 1600 acres PA Game Lands. Respond to: P.O. Box 301, Selinsgrove, PA 17870.

DAUPHIN COUNTY- 310 acres farmland, will divide. Lykens Valley. 717-365-3898.

Farm needed- lease to purchase- from farmette to unlimited acreage- from Lancaster west into Lower Dauphin and Cumberland Counties. All other areas in PA considered. Replies welcomed (717)464-4135 MERKEY 825 Beaver Valley Pike, Lancaster, PA 17602.

Feed Mill for sale. 2.5 acre complex, equipped ready to operate, 8 silos and modern grain dryer, 150,000 bu. grain storage, truck scales, 7 outside steel grain bins, remodeled store front and rest room, on major railroad, high volume water well, (1) 3-bay truck garage and (1) extra large 3-bay storage. $75,000 complete or will negotiate with equipment removed. Ernest Frank, (717)264-6148. Central Franklin County.

FOR RENT: 256 acre farm, 140 to 150 acres tillable, 4BR, bath, 2 LR, kitchen downstairs, hot air/oil heat. 717-463-3701 ask for Gerald.

For sale: 80 farm dairy barn 38'x200', 74 tie stalls, 8 box stalls, 3 silos, bank barn, pole barn, 4 bedroom house. Reply to: J-40 %Lancaster Farming, P.O. Box 609, Ephrata, PA 17522.

IOWA: 320 acres w/older house and buildings. 78 CSR. 127 ASCS yield. Additional farms available. Write: Byron Witt, Financial Partners Realty, Box 88, Tama, IA 52339 or call (515)484-4620.

Church building, 6500 sq. ft., seating 130, Sunday School rooms, office basement, oil hot water baseboard heat. Excellent condition. (717)865-4944. LebCo.

LOOKING FOR MOUNTAIN GROUND? Don't miss this 17.5 acres in Juniata County, $27,900. Call Sandy at Fields Real Estate. 717-436-8839.

Mifflin County, 75A farm, 65 tillable, large barn, large 4BR farmhouse built 1800's. Must Sell. $186,000. Coldwell Banker Kerstetter Realty. 717-248-2122. Rick Smeltz 717-667-2006.

MOUNTAIN GROUND W/ LAKE & VIEW. 6 ACRES -Heavely WOODED -Ready to build -only $4900. Deeded access to 100+ Acre stocked Sportsmans LAKE -Super HUNTING & FISHING. Allegany Co., NY. Minutes to POTTER CO., PA. -$500 down -$54.25 per month -12.5% int. 180 months. OWNER FINANCING. Alma Pond F.P. 717-784-9022.

New Jersey 10 acres Christmas tree farm, 3 bedroom house, large outbuilding. Secluded area, 30 minutes from Atlantic City, Near major shopping areas. $150,000 609-476-2117.

225 Acres, Southern Juniata Co., 70% wooded, excellent hunting, fishing, Tuscarora Creek, priced for quick sale. $150,000. Call Dan Rogers at Re/Max Quality Service 1-800-634-0081.

26+ acre farm, bank barn w/2 attached sheds, silo, 6 room house, also small tenant house, stream through meadow, spring and well. Noah Yoder, SR1, Box 34, Aaronsburg, PA 16820.

30 Acre Farm, includes all new buildings, house, bank barn, silo, outbuildings, good well, in Centre Co., ½ mi. N. of Woodward off Rt. 45, along Cemetary Road. Moses E. Yoder, SR 1, Box 104, Aaronsburg, PA 16820.

4 Bdr. Brick Farmhouse, 10 acres w/barn. Southern Lancaster Co. For sale or rent. 717/548-3726.

54-Acres land, completely fenced w/stream, beautiful for several farmettes. Asking $2,995.00/acre. Phone Evenings. 717/866-6441.

60 acre farm, (45 tillable, 5 pasture, 10 woods), w/ stream, 3BR farmhouse, 50x50 bank barn. Wakefield. (717)786-4537.

7 acre farmette Mifflin County. Large 7 room house, bank barn, garage, wagon shed, hog barn and old butcher shop. Features nice country setting, small stream, cable TV and just 10 miles from the Belleville Auction. (717)248-4199

SPECIAL 11 ACRE FARMETTE
Lehigh County, excellent 4 bdr. stone farmhouse. 2 stall barn w/storage. 4 car garage. Nice setting. $259,000.
215/298-3017

New Hopkinsville, Ky
494 acre farm, modern hog house, farrowing house, and sow house, grain bins, 4 big springs, pond, 2 houses. Ideal for all around farming. $478,000.

Century 21, Town & Country
Sara Nell Cunningham
(402) 886-0103
(502) 475-4020

Approx. 60A. woodland for sale. 600' road frontage. Clinton County, s.e. of Loganton. Daniel Stoltzfus, RR#1,Box 47, Loganton, PA 17747.

Broiler grow out operation modern; two 44x360 2 story houses, 100,000 total flock capacity, situated on 10 acres. 717-865-5654 after 6PM.

Retiring? trade our Southwest Florida lakefront, 3 bedroom home for your farm. (215)837-6454.

WANTED: Large wooded and some farm area for recreation. Must be at least 250A+ and any amount considered. Looking for prime hunting acres. Write: Box R-54, C/O Lancaster Farming, POB 609, Ephrata, PA 17522.

Thinking of marketing your farm?
You need to call on the experience of Harry Zimmerman for professional confidential service.
TOWN & COUNTRY REALTY
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717-355-2048 Home
1-800-472-2641
717-575-2542 Car Phone

FOR SALE
EASTERN PENNSYLVANIA POULTRY FARM
Excellent cash flow from broilers. All housing in excellent condition.
Some owner financing available
Write: R-29
c/o Lancaster Farming
PO Box 609
Ephrata, PA 17522

Adams County
Approx. 100 acres with stream, 4 acre lake, well & septic. Nice view. Sewer available. Road frontage. Ideal for development and golf course or farming. Will sell all or part. Restrictions on land.
Call eves.
717/677-8881 til 9:30

BEDFORD COUNTY DAIRY FARM
160+ acres, 100+ tillable, 63 stall barn with 2" pipeline, 800 gal. bulk tank, 16x60 and 18x60 silos, 36x54 heifer barn, 36x48 machinery shed, 24x40 insulated shop, 4 BR farmhouse, also 3 BR double wide.
All For $265,000
814-623-9399

DAIRY FARM
West of Syracuse, 94 free-stall farm with double 4 milking parlor with 8 milkers, 1500-gal. bulk tank, 40x43 shop, 3 silos, calf & heifer barns. 4 bedroom historic Colonial home. They are milking cows there now. All for $295,000
SUN HARVEST REALTY
315/626-2277

FARM FOR SALE
140 acres farm located in Blair County, approximately 5 miles from Martinsburg, 100 acres tillable, 30 pasture, 10 timber, 2 houses, 45x80 barn w/a 16x45 addition, silo, 12x16 milk house and various other sheds and out buildings. Suitable for either a beef or dairy operation. Clover Creek runs through farm, picturesque setting, priced to sell.
Call (814) 696-4347
Mondays thru Fridays 9-5 or
***(814) 942-9059* evenings and weekends**

WANTED TO RENT
Energetic cash grain operation looking to expand its operation. Wants to rent farm ground in Lebanon, Dauphin, Lancaster or Cumberland Counties. Will travel further for larger acres.
* Excellent financial references
* Good soil conservation practiced
Serious inquiries only.
State your price, not interested in a bidding war with current good tenants.
Send Reply to box B-39
c/o Lancaster Farming
P.O. Box 609, Ephrata, PA 17522

SCHUYLKILL COUNTY, PA
Approx. 170 Acre Nursery and Christmas Tree Farm. Turn-Key Operation-Complete. Since 1946. Quality known nationwide
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Bradford County (Near Mansfield/Roseville)

52 ACRE DAIRY FARM WITH 2 HOMES AND 3 BARNS. 200 cow Penn State barn with 2 24x90 silos, additional acreage available. $160,000.
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FARM DIVISION
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WRITE OR CALL FOR BROCHURE OR FARMS & LAND.

30 ACRE FARM
Lancaster County, Pennsylvania - Brecknock Township, Maple Grove Road at the turnpike, old stone home & old barn abandoned buildings - zoned Agricultural. - $300,000 00
Call Realtor - Auctioneer
Nelson L. Ebersole
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MOUNTAIN LAND FOR SALE
735 very secluded acres. Bordered on 2 sides by 18,000 acres of State Game Land. Electric on property. Located between Snow Shoe and Pine Glen, Centre County, Pa.
Please call 814-625-2617
Between 8 to 9 a.m.
or after 5 p.m.

WANTED - FARMS TO SELL!

430 Acre Farm	SOLD
69 Acre Farm	SOLD
84 Acre Farm	SOLD
98 Acre Farm	UNDER CONTRACT
43 Acre Farm	UNDER CONTRACT
87 Acre Farm	UNDER CONTRACT

We are about sold out of farms. If you plan to sell your farm, call the people with proven experience. We have QUALIFIED BUYERS for Good Dairy Farms
Call: Farm Dept.
HEYWORTH REALTY
Lawrence Stouffer
Of: 1-301-733-3701
Eves: 1-117-597-2584

— FARMS FOR SALE —

75+ acres - stone farmhouse privately centered on 75+ acres surrounded by old shade trees, Oxford area, asking $350,000.

18.5 acres - frame farmhouse, mostly tillable, across the road from above property, asking $250,000.

80+/- acres ground - 60 tillable, 15 pasture, 5 wooded, Oxford area, asking $250,000.

141+/- acres - prime farm ground with 7 bedroom farmhouse, bank barn and other outbuildings. Perfect for dairy, horses or gentleman farm. Oxford area. Asking $890,000.

93+/- acres - dairy or beef operation. Gently sloping ground with frame farmhouse and barn situated in the center of the farm. Asking $700,000.

CALL CHRIS TAYLOR OR ANTHONY BEILER
ERA BEILER-CAMPBELL REALTORS
(215) 388-7621

36 REAL ESTATE

16+ acres, excellent building lot, 570' frontage to RT 254, 3 miles East of RT I-80 Montour Co 717-437-2290

190 acre dairy farm, 165 tillable, 40 stanchions, 39 free stalls for heifers. Could be divided to make two farms Call (814)422-8610

Church building, 6500 sq. ft., 130 seating capacity, finished basement. Sunday school rooms, oil hot water basement heat, Church office excellent condition.
Lebanon County
(215) 562-3835
(717) 865-4944

FOR SALE BY OWNER
Bradford County
217 A, 184 tillable, 66 tie stall barn w/pipeline and 1300 G bulk tank. 3 silos, 4BR modern home, low down, owner financing to qualified buyer, 5% assumable mortgage available. Approximately 2.5 miles road frontage, great for farming, great for investors.
(717) 596-3179

Berks County
85 acre dairy farm, free stall for 84 cows, milking parlor, 2 silos, manure pits, bank barn, implement shed, 2 corn cribs, 3 BR brick house, summer house, more land available. Possible owner financing. Development potential.
215-488-7468

Merry Christmas And A Happy New Year

Longacre

Paul M. Longacre Real Estate
Rt. 100 Hereford, PA 18056
215-679-5919

Southern Lancaster County
- Farmette, country setting close to town 4 BR house, garage, and large barn suitable for horses on 2 8 acres A good well plus a 4 year old heat and septic system
- 2 8 acre building lot w/all permits approved Ready to build Close to Quarryville on Rt 372

717-786-3721

For Sale
Montour Co. Amish
80 Acre Dairy Farm.
New bldgs. less than
10 yrs. old.
Call 717/786-1146

$25,000 PRICE REDUCTION 187 Acre Farm in S. Tioga Co. 28 miles N. of Williamsport. Large 4 BR house, beautiful setting, 50 cow barn, 115 acres tillable. Assumable Farmers Home Loan @ 5% int. to qualified buyer. $249,900.

Town & Country Realty

Dale K. Stoltzfus
Realtor Assoc.
250 N. Duke St.
Lancaster, PA 17602

Office 717/299-4885
Home 717/626-9157
Car 940-4412

For Sale By Owner
320 Acre Dairy Farm, 210 acres tillable, 130 tie stalls and stanchion barn, silos-20x70, 20x70 and brand new 20x70, feed bunk, 3 unloaders, 4 barn cleaners, machine shed, large 4 bdr. home, 1,500 gal. Mueller bulk tank.

158 Acre Dairy Farm, 131 acres tillable, beautiful ranch style home, 2 story barn 36x120, 14x45 cement silo, brand new 20x70 silo, 40x90 round roof machine shed.

Contact
Blue Chip Elevators
Ray C. Liepke
Box 678, Hwy 29W, Abbottsford, WI
Home 715/229-2505 after 7 PM
Office 717/223-2389 8-5

SOUTHERN LANCASTER COUNTY
6.9 Acres
Amish Equipped Chicken Farm
4 bedroom house, 30x40 horse barn, 2 chicken houses, 44x148
Good place to sell vegetables and eggs
Call 1-800-346-0505 or 1-215-287-8888
Ask for Hiram Hershey, Broker or Tom Hershey, Realtor Associate
HERSHEY FARM AGENCY, INC.
1191 Sumneytown Pike
Harleysville, PA 19438

CENTRAL PENNSYLVANIA FARMS, FARMETTES, LAND AND CABINS

Our Farm and Land Division currently has many farms, farmettes, land parcels, and cabins available in central Pennsylvania. We would be happy to send you a free farm and farmette list and/or rural land and cabin list.

See the November 30 or January 4 issues for a complete farm and farmette inventory.

Farm and Land Division

Fred Strouse	(814) 364-1705
Scott Yocum	(814) 466-3150
Terry Gingher	(814) 466-2118

KISSINGER LEONARD & BROWER Realtors

245 S. Allen St.,
State College, PA 16801
(814) 234-4000

ATTENTION PORK PRODUCERS PRICE REDUCED!!

Owner motivated to sell: modern 275 sow farrow to finish pork production facility on 260 acres.

Call Janet or Kelby Kuney
CENTURY 21
MALONE RIVERS
Seneca Falls, NY
800-553-3124 NOW

LOOKING FOR FARMLAND? CALL US!

113 ACRES, $128,000- Dairy farm, w/93 acres tillable, stanchions for 51, excellent cropland.
50 ACRES — $399,900. 47 tillable acres, high productive farmland, potential dairy farm, 2 silos, loose housing, Rapho Twp.
64 ACRES — $363,600. Dairy farm w/comfort stall & free housing for 50 head, 6/10 mile road frontage, 5 BR house, borders Lebanon & Berks Cos., suitable for Amish homestead.

160 ACRES — $220,000. Dairy farm w/135 A tillable, 25A pasture. 2 silos w/unloaders, bulk milk tank, stanchions & loose housing for 67 head, large implement shed. 5 BR house.

291 ACRES — $225,000. Dairy farm w/161A tillable, 110A woodland, 2 silos, silo unloader, 43 stanchions, bulk milk tank, 2-story house.

Our lifetime experience in Pennsylvania agriculture can help you when buying or selling farms anywhere in PA.

CONCEPT 100 REAL ESTATE
717-393-0100

NORTHERN NEW YORK

270 ACRES, 160 tillable, alfalfa soils, ex. views 56 tie stalls, 1000 gallon tank, 2 silos, pipeline, 35 heifer stalls, 40x80 machine shed, 2 story stone house with 4 bedrooms, 90 head - 90% registered, 18,000+ H.A., plus all equipment for only $360,000.

298 ACRES, 145 tillable, ex. hay producing farm, 68 tie stalls plus room for 30-40 young stock, pipeline, 1050 gallon tank, 2 silos, several out buildings for storage, large comfortable farm house, equipment available. $175,000.

183 ACRES, 126 tillable, alfalfa land, 48 cow tie stall plus 24 heifer & calf stalls, 415 gallon tank, stone farm house, brook through property, $130,000.

North Country Realty
(518) 483-0800

WIMPLE ASSOCIATES

"SPRUCE FARM"...lots of pretty spruce trees line the road along this 80 acre farm near the Pennsylvania broder. Farm has 35 acres of good, clean woods with the balance in rolling meadow. A full-season stream runs through. Impressive, freshly-painted 10 room home with oil/wood combination heat. Very good 2 story hip roof barn. 20x40 storage barn. Operating maple sugar house. $75,000 JUST LISTED!

MORT WIMPLE ASSOCIATES
SLOANSVILLE, N.Y.
518-875-6355
FAX: 875-6749
FREE DAIRY, ACREAGE OR GENERAL FARM CATALOGUES.

"SEASONS GREETINGS TO ALL"

For Sale
Steuben Cty N.Y.

Just minutes off of scenic Rt. 417 in the town of Greenwood, 870 acre dairy farm, 300+ till, 55 cow barn, 3 silos, mach. shed, 2 homes, secluded cabin, 2 ponds, stream, over 3 mi. rd. front. Price $375,000.

322 acre dairy farm, 10 rm. house, 37 tie barn, 550 gal. bulk tank, pipeline milker, two concrete silos, two drilled wells, 3 ponds, 160 till, 75 past, 87 wood. 1.7 mi road front. Price $220,000.

50 ac. all tillable 2500' rd. front $20,000.

204 ac. wooded, small stream, good rd. frnt. $50,000.

MCKENNA REAL ESTATE
1043 Dryden Hill Rd.
Greenwood, N.Y. 14839
607-225-4256

FARMS CUMBERLAND COUNTY

Beef- Hog Farm 157 Acres gently sloping sandstone soil, 5 bdr. stone and alum. dwelling, 50x125 bank barn, implement building, silage storage, mountain stream. For details call Charles.

General Farm 100 Acres 6BR dwelling, bank barn, implement building, beautiful view of valley, road frontage. Call Charles.

32 Acre Farmette Western bank barn, 3 bdr Cape cod dwelling plus a double wide M.H. Beautiful view, spring. Owner will subdivide, call Charles.

Franklin Co. 86 Acre general farm, limestone soil, bank barn, 6 bdr. frame & log dwelling, spring fed stream, near Willow Hill interchange of PA Turnpike.

Charles Wenger, GRI, 263-0945
Wilbert Diehl 776-7707
GEORGE L. EBENER & ASSOCIATES REALTORS
139 W. High St., Carlisle, Pa.
Ph. (717) 243-6195

NORTH CENTRAL PA

Great hunting on this beautiful 106 acres, borders state land, small stream thru property. Asking $42,400 W-1160.

71 acres, excellent hunting, southern exposure, septic, open and wooded land, views. $51,000. W-1149.

Nice Lots For Sale: South of Gaines, Elk Township, bordering state lands, perc approved, headwaters of Kettle Creek. Call for details W-1151.

255 ac. dairy farm, 40 cow barn, glass pipeline, barn cleaner, silos, bulk tank, calf barn, heifer barns, corn storage, 4 bulk bins, lg 4 bdrm house + 2 bdrm mobile home, Exc. land, Century farm offering at $290,000. W-1113.

Koch Real Estate

9 Cone Street
Wellsboro, PA 16901
717-724-3500

Northumberland Co.
208 Acre Dairy Farm with 145 tillable, 45 A pasture, 110 tie stall barn 8 years old, very good operating dairy farm.

Dairy Farm, 19 mi. N of Bloomsburg
99 Acre, 73 tillable, 53 comfort stalls, 20x60 Harvestore, 20x60 stave, bunk feeder, bulk tank, 4 BR frame house. $279,500.

Lancaster Co.
43 acres, 36 tillable, small area for pasture and woods. Fronts on Chiques Creek in West Hempfield Twp.

90 acre steer operation with stone home, outbuildings and silo, 30 acres M/L zoned R-1 located between Lititz and Manheim.

White Deer Valley
Dairy Farm, 77 acre, 34 tillable, 9 pasture, bal. wooded, 45 cows, 1 silo.

Call Harry Zimmerman

Office:	**717-299-4885**
Home:	**717-355-2048**
	1-800-472-2641
Car:	**717-575-2542**

TOWN & COUNTRY REALTY

RUSTIC FARMETTE. Farmhouse on 10+ ac. level land, lg. bank barn, 2 streams, springs, 12x16 second flr. deck. JUST REDUCED TO $63,000. M-519.

VEAL OPERATION. 1040 pens, 58 ac, holdng pond, 3 wells, filters heaters, mixing tanks, pipeline feed. Heat exchanger on exhaust air, ventilation & heating system. Off site nutrient mgmnt plan required by DER & arranged for by neighbor, incl. all required equipmnt $170,000. M-517.

6.55 ACRES & 36x100 BARN. Great building site w/ approx. 4 ac. wooded & soil probe for sandmound. $24,900 M-513

ERA

ERA Homestead Realty
1 N. Main St.
Mansfield, PA 16933
(717) 662-3287

RENTAL INCOME! 2 fam. rental prop, fully rented, HUD apr. $27,500. W-698.

14 YR. OLD 2 STY. on 4 77 ac, 3 BR, 1½ ba, lg. deck, new carpet in living/dining area. All appliances incl JUST REDUCED $74,900. M-745.

BE YOUR OWN BOSS. Established businessews; laundromat & meat store currently operating in this 3,200 sq ft. bldng All equip incl. $195,000 W-746.

QUIETLY TUCKED AWAY! 20 acres partly wooded. Fantastic view, stream & driveway already installed. $21,500. W-778.

ERA

ERA Homestead Realty
23 East Ave.
Wellsboro, PA 16901
(717) 724-7161

100+ ACRE DAIRY FARM

in Mifflin County. 80 A. tillable, balance mostly pasture. Mostly limestone soils, some Class 1. Large bank barn with 30 tie stalls, 16x65, 12x50 silos. Also 20x100 trench with concrete bottom. TMR mixer and covered feed bunk. Liquid manure pit. 40x64 machinery shed with 24' enclosed for shop. 4 bedroom frame house.

$185,000

717-899-6646

THE REAL ESTATERS OF MANSFIELD

1671 S. Main St., Mansfield, PA 16933
(717) 662-2138 - Evening (717) 662-2363

WALK TO STATE LAND
From this 47.51 acres within a few hundred feet of State Game Lands. Approved perc site for sewage system. Just $31,400 ($661 pe acre) M-844.

HOME AND CAMP COMBINATION
2 properties available w/seller preferring to sell as discounted package for $44,900. Will also consider selling 8 room, 4 bdrm., rented, 1½ story home on 2.36 acres for $24,500 and 1 story, 4 room, 2 bdrm. camp on 3.053 acres for $22,800. Armenia Mt. location out of Sylvania. M-942.

MODERN DAIRY FARM
Up to 120 head under 1 roof. 72 on pipeline in 3 rows w/3 box stalls on line. 2 barn cleaners discharging into 1+ year manure pit. Farm laid out in New Zealand style intensive pasture system. 20x60 silo w/ unloader. Approx. 128 acres w/adjoining lease ground avail. 10 rm. farm house. Some FmHA money. Near Wellsbóro, PA. Just $209,500. M-925.

$9,900 HUNTING SEASON SPECIAL
10.321 surveyed acres in subdivision bordering State Land. All wooded w/excellent building sites around approved sewage site. Price reduced by anxious owner to just $9,900 w/immediate possession. M-706.

Lycoming Co.

Muncy Area 136 Acre Dairy Farm 52 cow tie stall barn, 3 silos, wagon shed, 4 bedroom house & more. This desirable river bottom farm must be seen to be appreciated. ¾ mile approximate river frontage. Buildings don't flood, high state of cultivation. Other farms available in Lycoming and Northumberland Counties. Call Fred Clark (717) 393-2437.

York Co.

270 ac. plus more available of young fruit trees and grain farm. This property is complete with Roadside market, packing and cooling facilities. The land is in high state of cultivation and very productive. Owners are selling due to their age however the trees are a long way from retirement as most are very young and productive. The fruit crop is very good this year and the fruit is good size. There is a pond and very good stream for irrigation and they are now pumping 500 gal. per min. from the stream. Call Sandy Leaman for a confidential showing and interview. @ (717) 393-2437.

Blair Co.

130 acre dairy farm in the Martinsburg area. This farm has a very good stream, some woodland, gentle slope and very fertile soil. Call Sandy Leaman for more info. @ (717) 393-2437.

Fred Clark is back again as a full time Real Estate agent and will be glad to work at selling your farm in any County. Call and ask for Fred.

"We will sell your farm at Auction or by Brokerage" Call for details.

SANFORD G. LEAMAN, REALTOR
1000 N. Prince St.
Lancaster, Pennsylvania 17603
(717) 393-2437 • Fax (717) 396-7143
1-800-836-8113

2 JUNIATA COUNTY PA FARMS/ORCHARDS

40 MI. N OF HARRISBURG

121 acres - 42 acres in peaches, apples, pears and other fruit, balance woodland, very secluded 2 story 4 bedroom dwelling.

181 acres - 70 acres in apples and peaches, few plums and cherries, 20 acres cleared ready to plant in your choice of fruit or grain crops, balance in woodland. Small spring fed pond. Large 2 story dwelling w/ attached 2 car garage, 1½ story dwelling, 40x80 packing shed, 40x60 cold storage, 2-40x60 machine sheds, 24x40 work shop, several other small sheds.

These farms are within 300 feet of joining each other and are both owned by the same family. Sellers will sell one farm or both, w/or w/out dwellings, w/ or w/out fruit equipment and machinery. These farms are very secluded with easy access and have a lot of frontage on good TWP roads with no traffic. Both farms have a lot of subdivision potential. Orchards are well maintained and in a good state of production. Most apples are young trees. We are not publishing the prices due to these farms having a lot of options as to the way they can be purchased. **OWNERS WANT TO SELL.** For information, contact:

LARRY LONG REAL ESTATE
RD#2 Box 410
Port Royal, PA 17082
Ph. 717-527-4784

Akron farmette, split level home, only 5 years old, excellent shape, 6 A, $295,000.

Modern Horse Barn w/23 stalls w/race track, plenty of fencing, 35A, Eastern Lanc. Co., $224,000.

26 A, fencing, no buildings, great view, $177,500.

KINGSWAY REALTY
717-569-8701

Juniata County Income Property

#1 Four bedroom 2½ story brick colonial on 20 level fertile acres. 24 campsites can expand. 2 bedroom apt. & 12x60 mobile home rental. 96x48 bank barn. Possible Bed & Breakfast - Horse or Produce farm. Listed at $225,000.

#2 Two story 40x200 broiler house on ¾ acre, 25,000 capacity. Current contract. Check it out at $69,000.

Contact: Charlie Brooks
DENNIS E. BECK REAL ESTATE
Office: 717-627-2325 Home: 717-436-8431 (Anytime)

NORTHERN BERKS COUNTY...

FARMETTE... 7½ Acres, Stone Home, Bank Barn, More Land Available.....$195,000

LEBANON COUNTY...

FARMETTE... 10 Acres, Stone Home, Bank Barn, Horse Barn $295,000

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2033 Penn Avenue, West Lawn
Reading, PA 19609
(717) 274-3622 - office - (215) 678-1122
FAX: 215-678-8158

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REAL ESTATE LIQUIDATORS • VEHICLES • ANTIQUES
NO CHARGE FOR CONSULTATIONS & APPRAISALS

PUBLIC AUCTION

205 Acres M/L Farm
Approx. 100 Tillable

Sat., January 11, 1992

12:00 Noon Sharp

Farm Locatecd: Beech Creek Pa. Clinton County. Beech Creek Township. Approx. 3 miles south of Rt. 150 at Beech Creek, Pa. Just 9 miles south of Lock Haven or 28 miles north of State College, Pa. Turn at Centre & Clinton County bridge (Rt. 150). Take next Rd. right travel approx. 2 miles (LOOK FOR AUCTION SIGNS).

Real Estate Consist of: (MAIN HOUSE) kitchen, washroom, double living room, 4 bedrooms, bath and attic, heated w/hot water, well water, fireplace, 4 car garage, 16x24 above ground pool and satellite dish.

Also on premises: (TWO RENTAL PROPERTIES) 12x65 mobile home, also a wood frame house w/double living room, kitchen, 3 large bedrooms. Heated by coal furnace, spring water.

Other buildings on farm include modern 44x80 pole barn suitable for beef cattle or horses, a 36x36 double corn crib, large open front implement shed, pig barn and other small buildings.

There is a stream on farm as well as several springs for animals.

Productive Farm, Excellent Hunting, Week End Retreat or Investment.

Located near Bald Eagle State Park also Near Amish Community also in the Keystone Central School Dist.

TERMS: 5% DOWN DAY OF SALE BALANCE DUE WITHIN 45 DAYS FROM DAY OF SALE.

To view Real Estate call Gerald & Elizabeth DuFour at (717) 962-2361 between 4 and 6 pm. after or before call All-American Auction Service (717) 426-3769.

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A HIGHER STANDARD IN PROFESSIONAL FARM MARKETING offering:

- Planimeter measurement of ASCS photographs
- Computer plots of legal descriptions.
- A knowledgeable staff that understands soils, productivity, and wetland implications
- Evaluation of the highest and best use of properties
- Quality promotion including advertising, detailed brochures, and Ag Progress Days.

If you want the best professional farm real estate service available in Central PA, we would be pleased to be of service to you.

Many farms, farmettes, and land parcels available. Call or write for free lists, or see our bi-weekly Lancaster Farming inventory ad in the December 14th issue.

4 COUNTIES REALTY, INC.

PO Box 67
3480 Oneida Street
Chadwicks, NY 13319

OFFICE PHONE: 315-737-4489 TOLL FREE: 1-800-736-4089

#117 - 200 acre dairy farm w/100 tillable - good 8 room house w/nice 2-stall attached garage - 34x115 ft. barn w/79 tie stalls - 55x20 ft. lean-to for heifers - 2 barn cleaners, 2 in. pipeline 800 gal. bulk tank & 3 lrg. silos w/ unloaders - partial owner financing if desired - very reasonable at **$250,000.**

#129 - 204 Acre dairy farm with 110 tillable - 36x180 ft. barn w/67 tie stalls, shop, storage bldg., 3 silos, milk house, grain bins & corn crib. Also good 3 bedroom house - productive, easy to work, level land w/shed. Brook running thru property. Very reasonably priced at **$190,000 bare or $375,000 w/cattle & machinery.**

#300 - 163 acre dairy or hobby farm would make a wonderful retirement property at an affordable price. A "must see" for anyone looking for privacy and a fantastic view of the Mohawk Valley. A very good remodeled country home, plenty of water, 2-story barn w/new Patz cleaner, dumping station & 500 gal. bulk tank, 40x78 ft. pole barn & 2 silos included in this deal for a very reasonable **$195,000.** Also has over 6,000 ft. road frontage.

#304 - 178 acre dairy farm located in Amish country. 130 acres tillable, 52 cow tie-stall barn plus 30 heifer stalls, 3 silos & huge 8 bedroom farm home, Offered at **$187,000.**

#308 - 350 Acre dairy farm w/262 A. tillable -36x232 ft. 2-story barn for 160 head - 20x70 & 42x20 ft. Harvestores - also 20x50 ft. Unadilla silo - around the barn pipeline - 1,000 gal. bulk tank - feed room w/mixer for TMR - lots of water w/2 wells & 3 ponds - 8 room cape cod home, 7 room double-wide & 14x65 ft. mobile home on 3 acres available if wanted. **$575,000 equipped or $325,000 bare.**

GIVE GEORGE DEMEREE A CALL 4 ALL LAND AND FARM NEEDS.
HOME PHONE: 315-823-0288

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3 Rib

600-16 4 Ply TT	$39.95
600-16 6 Ply TT	$44.95
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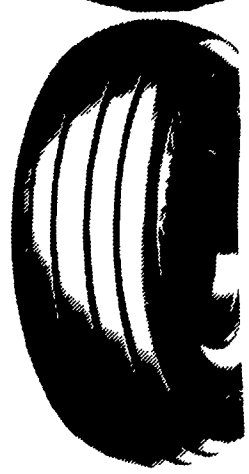
4 Rib

750-16 6 Ply TT	$59.95
95L15 6 Ply TT	$65.95
11L15 8 Ply TT	$84.95
1000-16 6 Ply TT	$87.10
1000-16 8 Ply TT	$89.60
1100-16 8 Ply TT	$106.00

Dyna Rib Premium

14L-161 6 Ply TL	$215.00
14L-161 10 Ply TL	$240.95



Farm Utility Wagon Tires

95L15 6 Ply TT	$46.95
95L15 8 Ply TT	$49.95
95L15 6 Ply TL	$51.95
95L15 8 Ply TL	$54.95
11L15 6 Ply TT	$47.95
11L15 8 Ply TT	$48.95
11L15 10 Ply TL	$72.95
11L15 12 Ply TL	$84.20
12L15 12 Ply TL	$98.95

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We'll get you going again in a hurry
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- Revolutionary 3-lug per pitch design improves traction and ride
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- Radial construction provides better traction, lower fuel and overall costs

15.5R38 ★	$459.00
169R38 ★	$575.00
184R34 ★	$529.95
184R38 ★	$529.95
208R38 ★	$669.95
18.4R42 ★★	$669.95

The Hard-Working, Hard-Pulling Tractor Rear

DYNA TORQUE II

112-28 4 Ply	$170.00
124-28 4 Ply	$189.00
136-28 4 Ply	$215.00
155-38 6 Ply	$320.00
169-38 6 Ply	$415.00
184-34 6 Ply	$399.00
184-38 6 Ply	$423.00
184-38 8 Ply	$482.00
208-38 8 Ply	$640.00

- Excellent drawbar pull with long-bar, short-bar lugs for improved traction
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- Strong angle-braced lugs have self-cleaning design
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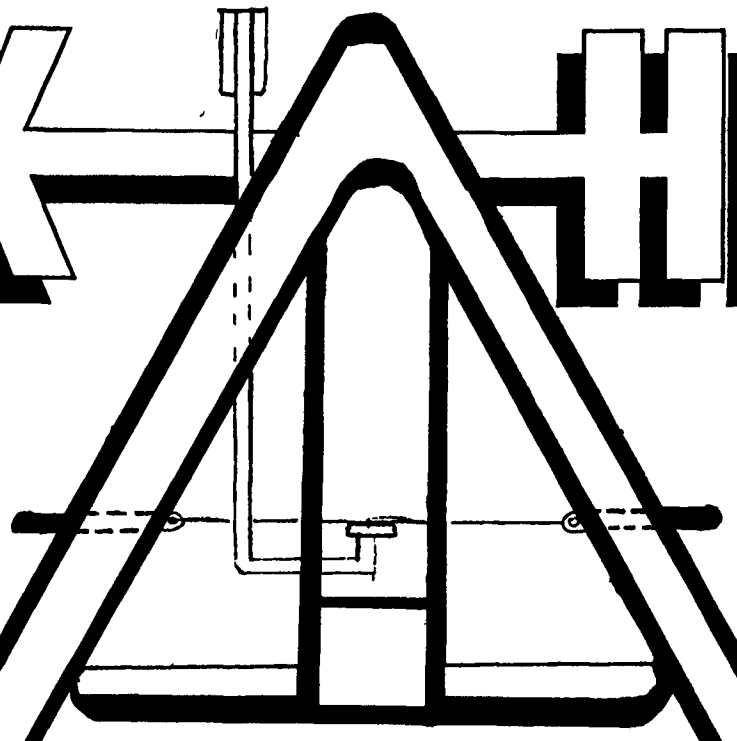
QUIK-HITCH INC



A LITTLE TOOL FOR A BIG JOB

?

DID YOU EVER

* BUST YOUR KNUCKLES
* SMASH YOUR TOES
* SWING A HAMMER

WHEN TRYING TO HOOK UP A STUBBORN, UNRESPONSIVE PIECE OF 3-POINT HITCH EQUIPMENT?

?

DID YOU EVER CONSIDER THE VALUE OF

* SAFETY
* CONVENIENCE
* TIME

WHEN TRYING TO HOOK UP A STUBBORN, UNRESPONSIVE PIECE OF 3-POINT HITCH EQUIPMENT

QUIK-HITCH! OFFERS A REVOLUTIONARY NEW DEVICE THAT ATTACHES 3-POINT HITCH IMPLEMENTS OR WAGON TONGUES TO THE TRACTOR WITHOUT THE NEED FOR THE DRIVER TO LEAVE HIS SEAT - SIMPLE, SAFE AND QUIK

QUIK-HITCH! IS LOCATED AT 4000 BARREN RD., OXFORD, PA 19363. WE CAN BE REACHED TOLL FREE BY DIALING 1-800-55HITCH. PLEASE FEEL FREE TO CONTACT US ABOUT THIS REVOLUTIONARY NEW DEVICE. WE ARE NOW SELECTING PROTECTED DEALERSHIPS THROUGHOUT THE NORTHEAST.
PATENTS APPLIED FOR AND PENDING.

QUIK-HITCH! WANTS YOU TO SEE THE VALUE OF THIS DEVICE BY VISITING OUR BOOTH (400-401) AT THE PA FARM SHOW. YOU WILL BE ABLE TO WATCH OUR VIDEO AND REGISTER TO WIN A FREE HITCH TO BE AWARDED AT THE END OF THE SHOW.

BRING THIS COUPON TO THE FARM SHOW FOR A FREE DRAWING

REGISTRATION

NAME_____

ROAD_____ PHONE_____

TOWN_____ STATE_____ ZIP_____

NO. OF TRACTORS____ CAT 1____ CAT 2____

NO. OF 3 POINT HITCH IMPLEMENTS_____

PLEASE ARRANGE FOR A DEMONSTRATION___

QUIK-HITCH INC

4000 BARREN RD.
OXFORD, PA 19363

1-800-55 HITCH

GEHL

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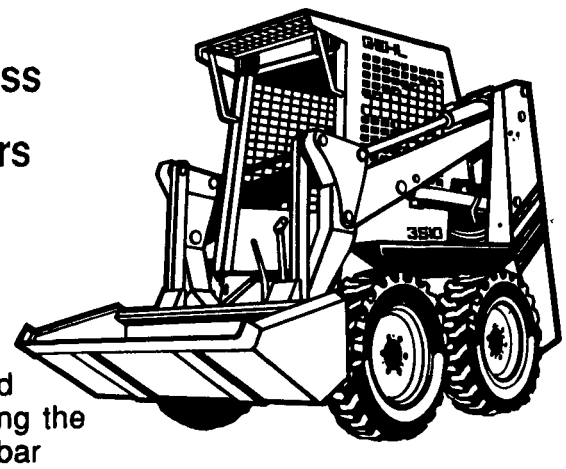
World Class Performers



Gehl's elite Skid Loaders, the 3510/3610, boast efficiency, convenience and comfort. Featuring the super simple T-bar controls in a split, side-mounted position, you can choose from a reliable, fuel efficient diesel or industrial gas powered engine. Stop in today and ask us about the high performance 3510/3610 Skid Loaders from Gehl!

- **GEHL 3610 DIESEL** - Flotation Tires, 54" Bucket

Serial #7030
ONE ONLY

CASH SALE PRICE $11,100

Offer Ends Dec. 31, '91

Time Tested Components For The Economy Minded Buyer

Gehl's model 3310 Skid Loader is rich in the Gehl tradition of high performance and unique features -- convenient, easy-to-learn T-bar controls, overhead instrumentation, roll-back ROPS for quick serviceability, a hefty 750 pound SAE lift rating - all at an economical price. Stop in today and ask us about the high performance 3310 Skid Loader from Gehl!

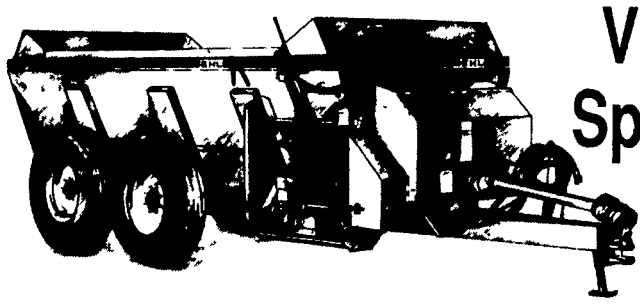
- **GEHL 3310 GAS** - 54" Bucket, Serial #3941

ONE ONLY

CASH SALE PRICE $8,800

Offer Ends Dec. 31, '91

North America's #1-Selling V-Tank Spreader



The Gehl Scavenger® II is the "original" V-Tank spreader and still the best. It delivers outstanding performance in all types of manure, from liquid to semi-solid to pen-packed or even frozen manure.

- **Patented square-tube auger** — Hydraulically powers up and down to break up solid material.
- **Variflo discharge** — Spreads smoothly and evenly for complete application.
- **Five models** — From 192 to 596 bushel heaped capacities to match your operation.
- **10-year warranty** — Against rust-through on the tank for peace of mind.
- **Options include** — Truck-mounted units and hydraulic lids.

- **GEHL MS 312 SCAVENGER SPREADER** -
260 Bushel, Single Axle With 10.00x20 Tires, Serial #5910

CASH SALE PRICE $6,750

- **GEHL MS 312 SCAVENGER SPREADER** -
260 Bushel, Tandem Axle With 10.00x20 Tires, Serial #5975

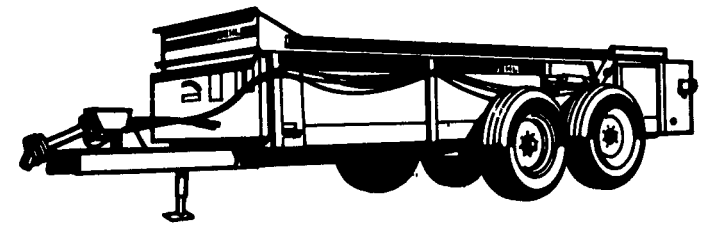
CASH SALE PRICE $7,275

- **GEHL MS 315 SCAVENGER SPREADER**
345 Bushel, Tandem Axle With 10.00x20 Tires, Serial #4789

CASH SALE PRICE $8,400

Offer Ends Dec. 31, '91

Unbeatable... priced right!



If you handle mostly solid manure, a Gehl box spreader has the performance features you want at a price you'll appreciate. Features include special Gehl-Tuff flooring that prevents the apron from freezing to the floor and lets manure slide out with little resistance; 12-gauge, corrosion-resistant GEHL STEEL sides for strength and endurance; wide-spread beater paddles for wide, even spreads; constant velocity pto; and a standard two-speed worm drive transmission. Add a 10-year warranty on the floor and sides and you have an unbeatable package available only from your Gehl dealer.

- **GEHL MS 175 SPREADER** - 175 Bushel,
Single Axle, 8.25x20 Tires, Serial #4210

CASH SALE PRICE $3,350

- **GEHL MS 250 SPREADER** - 250 Bushel,
Single Axle, 10.00x20 Tires, Serial #4792

CASH SALE PRICE $3,725

Offer Ends Dec. 31, '91

Offers End Dec. 31, 1991

LEBANON VALLEY IMPLEMENT CO., INC.

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Juniata Co. DHIA

dhia Monthly Report

Pennsylvania Dairy Herd Improvement Association

BREED CODES:

1 Ayrshire
2 Guernsey
3 Holstein
4 Jersey
5 Brown Swiss
8 More Than One Breed
G Grade
B Grade and Registered

October, 1991
Rolling Herd Averages

Name	Brd.	% Days In Milk	Milk Lbs.	Protein Lbs.
Ken Deamer	41H	89.2	21,571	707
Glen & Tracy Henry	58H	90.7	22,586	700
Steve & Barbara Wilson	34H	85.4	22,426	697
Speerette Farms	63H	85.4	21,216	665
Rick & Jeanette Saner	48H	87.0	20,998	663
Mark L Zook	66H	90.7	20,625	653
Melvin M Martin	78H	85.2	20,611	646
Donald Q Adams	30H	87.5	19,955	639
Harold B Shearer	36H	89.0	20,007	636
Daryl & Del Brubaker	75H	87.1	19,928	634

Four Hundred and twenty five cows completed records of 305 days or less. 2 produced over 850 lbs. of protein; 11 produced over 750 lbs. of protein; 45 produced over 650 lbs. of protein.

Lactation Report

Daryl & Del Brubaker			
43Joan		30,839	897
10Bunki		26,577	871
Steve & Barbara Wilson			
Mitzi		28,521	836
Speerette Farms			
Trudy		27,376	799
Nellie		26,616	795
Myron & Mary Gehman			
399		26,862	798
Ken Deamer			
Marj		24,622	798
Russell Dressler			
Stella		24,260	781
RB & Frank Crawford			
491		23,623	774
452		21,957	754
Harshbarber Brothers			
Della		26,438	772

Susquehanna County DHIA
October, 1991
Lactation Report

Barn Name	Brd.	Age When Fresh	Days Milked	Lbs. Milk	Lbs. Fat
Longacre Farm					
Misti	RH	7-4	305	27,038	859
Richard Naylor					
Janis	RH	4-7	305	17,997	908
Francis Hibbard & Sons					
795	RH	6-6	305	24,146	959
148	RH	4-10	305	27,548	1018
163	RH	4-6	305	21,793	1017
Daryl Button					
101	GH	6-11	305	21,182	902
214	GH	4-1	305	29,819	1002
Mark Wilmot					
Butrfly	RH	4-0	305	24,416	895
C+C Farms					
Melody	RH	5-0	305	29,106	979
Dan Bonham					
Funny F	GH	3-10	305	22,255	867
R M Shipsky & Sons					
Count	RH	3-3	305	22,247	890
Robert Fearnley					
Joy	RH	4-3	305	25,452	878
Pease Farms					
Peachy	GH	7-11	303	20,910	873
Dede	RH	6-4	305	21,269	921
Clough Bros					
Jenny	RH	5-1	300	22,894	897
Dell	GH	4-8	305	25,215	950
David+Marlene Bailey					
Goldie	RH	4-4	305	24,521	995
Ruth Vandermark + Son					
Mavis	RH	5-0	305	24,152	911
Peg	RH	3-5	305	28,239	861
Andrew Hubal					
Troy	RH	7-9	305	28,890	1075
Clara	RH	4-8	305	29,200	1198
Ginny	RH	3-10	305	22,852	872
Marilyn	RH	3-10	305	24,997	858
Beth	RH	3-3	305	22,355	922
Isabel	RH	3-4	305	21,247	850
Leroy & Scott Aldrich					
19	GH	7-8	305	15,705	870
Myron Potter					
Lucy	RH	5-9	305	25,441	857
Robert Johnson					
2	RH	4-7	305	22,035	946
Francis Satunas					
166	GH	6-2	305	20,439	867
Robt-Barbara Frechen					
Freda	RH	6-2	305	23,822	881
Charles Clark					
78	GH	6-1	298	26,149	860
James W Robertson					
43E	GH	7-4	305	19,894	903
James Swetter					
Fury	GH	5-4	305	25,058	1026
David Grosvenor					
Ella	RH	6-8	305	25,326	884
Dick States					
35	RH	6-0	305	22,016	855
Meadvalley Farm 1					
316	GH	5-3	305	20,282	905
John Castrogiovanni					
Gerry	RH	9-4	305	30,702	1067
Lillian	RH	5-10	305	21,398	869
Elena	RH	5-3	305	32,905	932
Lyric	RH	5-11	305	28,385	1022
Shantel	RH	5-2	280	24,722	1025
Glitter	RH	4-3	296	25,470	927
Thomas Traver					
Mars	RH	4-7	305	29,613	1141

Columbia County DHIA
October, 1991
Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.	Protein Lbs.
Jan Jurbala	B3	31.6	89.3	21,938	830	782
Richard Kriebel	B3	61.0	91.7	21,842	736	722
J Robert Book	B3	57.1	93.6	22,572	789	714
John W Turofski	G3	35.9	87.6	20,913	798	671
Hunter Crest Farm	3	60.6	84.4	19,523	686	667
Carl R Stackhouse	G3	48.2	89.2	20,270	710	663
Shultz Bros	3	68.9	88.5	19,228	737	642
Valley Stream Farm	B3	69.6	87.1	20,199	724	638
Duane E Shuman	3	36.0	88.2	19,113	654	635
Lyons Den Dairy	B3	138.1	86.4	18,938	646	624
James L Kline	B3	27.7	86.8	18,686	644	595
Richard Yule	3	43.8	87.4	17,289	682	565

Lactation Report

Lyons Den Dairy						
Dina	3	5-3	305	22,351	692	891
Pen Col Farms						
Happy	3	6-1	305	27,438	913	954
Locket	3	3-5	305	22,730	765	725
#M Meld	3	4-0	252	23,298	777	914
#Alice	3	2-5	305	19,336	717	855
#Devon	3	2-3	305	28,262	859	828
Richard Kriebel						
Pamela	3	6-0	305	27,096	837	934
Marie	3	3-3	305	25,229	804	743
Hunter Crest Farm						
Mindy	3	7-0	305	32,513	1077	1318
Windex	3	5-5	305	28,002	914	976
Jan Jurbala						
Bunny	3	6-6	305	26,495	899	966
Cameo 2	3	6-2	294	23,196	761	601
Winnifd	3	1-11	305	26,330	856	851
John W Turofski						
Jill	3	3-5	305	25,580	776	971
Clyde Bartholomew Jr						
22	3	4-7	305	21,421	650	905
Valley Stream Farm						
431	3	5-6	305	24,818	781	887
461	3	4-5	305	23,514	759	744
Donald J Bowman						
405	3	6-0	305	22,779	797	927

Union County DHIA
November 1991
Rolling Herd Average

Name	Brd.	No. Cows	% Days In Milk	Milk Lbs.	Fat Lbs.	Protein Lbs.
Locust-Row-Farm	B3	77.6	95.9	22,396	863	755
Buff Run Farm	B3	46.0	89.6	21,863	825	704
Allen & Linda Wehr	3	65.8	87.9	22,070	800	703
Lincoln Ridge Farm	B3	43.9	89.7	22,342	742	697
Ira R Zimmerman	B3	35.1	87.3	21,271	729	671
Vernon R Martin	B3	46.1	89.5	21,265	788	670
Melvin Z Musser	B3	40 9	89.1	21,152	734	666
Hill Craft Farm	B3	47.5	89.7	20,388	769	665
Gene-Mar Farms	B3	72.5	90.4	20,768	787	663
Breezy-Vue Farm	3	28.5	86.1	20,739	762	650
Kenneth Beiler	3	68.7	89 2	19,764	743	644
Ivan B Martin	B3	43.4	85.5	19,875	713	642
Kore M Yoder	B3	47.9	87.4	21,222	758	640
Wildwood Valley Farm	3	15.0	86 2	20,830	813	639
Millers Dairy	3	48.6	88.0	20,058	722	631
Wilmer S Stoltzfus	B3	30.3	88.5	18,639	727	630
Mark A Mapes	B3	47.1	85.6	19,616	662	629
Mifflin Hills Farm	3	54.3	85.9	20,214	712	628
Joseph E Snyder	B3	46.6	88.4	19,707	681	628
Melvin R Oberholtzer	B3	39.0	87.2	19,445	676	626
Zi-Wes Dairy Farm	3	52.4	87.9	19,537	692	622
Locust-Ridge Farm	8	48.9	86.1	19,183	733	622
Elam Beiler	3	45.6	92.6	19,414	674	620
Wilmer E Zook	B3	40.6	86.5	19,459	706	617
Cold Run Farm	B3	46.0	87.3	19,940	719	615
Floyd W Martin	B3	37.8	83.7	19,855	729	611
Richkraft Holsteins	B3	47.9	89.6	18,959	684	608
Harmony Springs Farm	B3	72.4	89.6	19,423	718	607
Ridge View Farm	B3	43.2	83.8	19,291	603	605
Reichley Bros	B3	60.8	90.1	18,504	713	601
Jonas R Zeiset	B3	52.0	89.4	19,558	633	598
Sam S Yoder	B3	46.0	82.8	19,258	680	596
John R Walter	B3	37.9	88.6	19,558	675	596
Milford Nissley	B3	99.4	91.0	18,296	657	595
Alvin M Oberholtzer	G3	39.2	84.8	18,913	671	594
Kenneth T Shuck	B3	41.6	84.1	18,754	682	589
Jeffrey J Vanhorn	B3	39.4	91.5	18,435	690	587
Ivan K Stoltzfus	B3	43.2	81.4	18,175	645	581
Country Life Farm	B3	46.5	83.0	18,721	644	577
Amos M Stoltzfus	B3	65.0	87.3	17,871	665	576
Gary R Smith	B3	38.6	81.1	18,272	593	574
Golden Dell Farm	3	50.5	88.8	18,378	651	572
Daniel M Burkholder	B3	47.0	88 5	17,456	583	570
Leroy Troester	B3	111.6	89.6	17,382	589	570
Melvin K Stoltzfus	B3	57.3	84.1	18,016	591	562

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Pay Extra Attention To Swine Herd Now

UNIVERSITY PARK (Centre Co.)— Because winter weather can increase the likelihood of several hog health problems, swine producers need to keep their animals warm and well, says an expert in Penn State's College of Agricultural Sciences.

"Respiratory problems, viral infections and feed inefficiency are just a few of the concerns producers should be aware of during winter," says Dr. Kenneth Kephart, associate professor of animal science. "Keeping a careful eye on your animals will help them stay healthy and help keep your operation profitable."

Avoiding swine respiratory problems can be a major challenge for producers during winter, particularly when pigs are housed indoors. Poor air movement in confined spaces can cause or aggravate ailments such as chronic pneumonia and rhinitis.

"During winter, producers tend not to move much air through their facilities," Kephart says. "They slow ventilation fans down to retain warmth and minimize heating bills. But when air quality suffers the pigs suffer, too. The object is to find a happy medium between moving enough air and not using too much heat."

Observation will tell you if too little air is moving through your facility. "If you're moving a lot of air and the pigs are huddled together, they're too cold," Kephart says. "On the other hand, if your eyes water when you walk in, there's too much ammonia in the air--and not enough fresh air." Sweating walls also can reveal inadequate ventilation. "If you see an insulated wall sweating, it's an excellent sign you're not moving enough air," Kephart says. "It's natural for windows to sweat, but not for insulated walls or ceilings."

The risk of viral infections also increases during winter. "Viruses survive better in cold temperatures, so producers must be extremely vigilant about biosecurity," Kephart says. "During the winter months your chances of spreading transmissable gastroenteritis, pseudorabies and other viral diseases increases."

"When you go to a packing plant or marketing area, wear disposable overalls and boots, or make sure you launder that clothing before entering your own facility. You'll be in contact with pigs from many different places, and you must assume that every possible disease will be there. Don't wear any clothing you've worn into a packing plant or marketing area into your barns unless they've been laundered."

If your herd stays outside, be sure to keep them as warm as possible or their feed efficiency will be severely inhibited. "When pigs are outside in cold weather, they need more feed than normal because they burn more energy just to keep warm," Kephart says. "The amount of feed a pig needs to stay in good flesh doesn't have to get out of hand unless you're not using enough bedding and the pigs aren't warm enough when they sleep."

Winter is an ideal time to feed a high-fiber diet. "When an animal digests fiber, the digestion process generates heat," Kephart says. Providing plenty of bedding material also will help, as will building a hover. "If the weather is extremely cold, consider building an area to trap heat down at the pig's level," Kephart says. Place straw bales on planks or plywood, creating a miniature environment that will keep the pigs warmer."

Normal feed conversion is roughly three pounds of feed to each pound of gain, Kephart says. "But when pigs are so cold they shiver, the feed conversion rate triples--it takes nearly 10 pounds of feed for each pound of gain. You can't make money under those conditions no matter how strong the market is." Observing the outside facility when the pigs are sleeping can reveal whether your animals are too cold. "Watch the pigs as they sleep," Kephart advises. "If they're spread out on their sides and quiet, they're comfortable. But if they're fussing and fighting with each other for a place to sleep, and if pigs are crawling on top of each other and piling up, they're far too cold, which means they're burning up a lot of feed."

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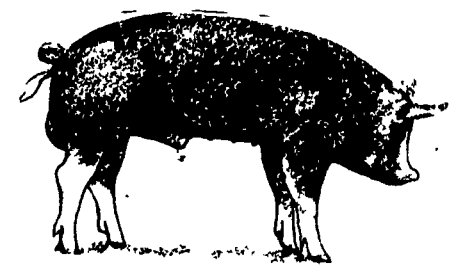

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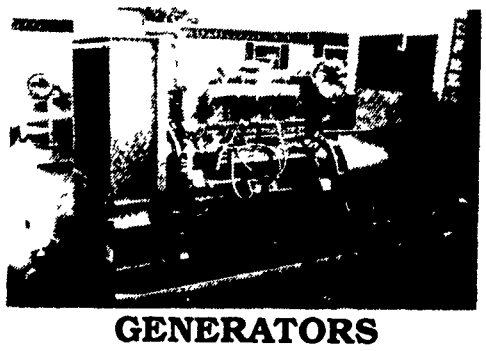

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Easy Does It

SCRANTON (Lackawanna Co.) — Dairy product prices are slipping below their earlier peaks but without any dramatic changes so, on balance, the effect will be an easing down into the new year.

Cheese prices that had been increasing all year began to drop in October and now again in November. However, declines from the middle of November to last week were only six cents on barrels and three cents on blocks.

Butter prices dropped back from their high in October but in total have lost only five cents in two months.

Powder prices have been the sleeper that no one was watching until recently, but they have increased monthly since June and now show a gain of 22 cents in six months.

Cheese and powder prices are still well above the support price, but butter is getting chose.

So, it seems that, while individual product prices are changing monthly, the end result is only a softening of milk prices — particularly with milk production in the upper Midwest still falling slightly behind a year ago.

Two Cents Worth

So the total effect of the product price changes — some up, some down — has produced only a 2-cent drop in the Minnesota-Wisconsin Price Series from $12.50 in October to $12.48 in November.

Certainly there will be more seasonal drops from now to spring but the prospect of a gradual decline in prices looks more certain now.

The total increase in the M-W price in the last seven months is now $2.48 and even with the 2-cent drop in November it's still 63 cents better than last year.

Christmas Present

Because of the two-month lag behind the M-W for Class I prices and one month for Class II prices, you will still be getting the benefit of increasing class prices in your check for November and December milk.

For Order 2 shippers of 3.5 test milk at the 201-210 mile zone the November blend or uniform price will be $13.32 or 31 cents more than last month and 80 cents more than last year. Class I and Class II prices were higher in November with Class I increasing 52 cents to $14.44; Class II up 31 cents to $12.96 and only Class III prices down two cents to 12.54 following the M-W.

Total receipts in Order 2 were down nearly 9 percent from October's record high. This helped to maintain your Class I utilization at 44 percent with Class II milk accounting for 16 percent and Class III at 40 percent.

In December, the Class I price will be up another 48 cents and Class II up 45 cents, so, even with an expected drop in the M-W again this month, you should have another increase in your blend price making it the highest for the year and probably the second highest for the month since the diversion program in 1984.

This may be your Christmas present after sweating out those low prices last spring that were followed by a summer drought.

Stocking Stuffer

One thing you won't find in your stocking this Christmas is a new dairy bill from Congress.

It was the same old scenario of a lot of groups asking tor a lot of things early in the game but complicated by a Congress that was more interested in what they felt were more pressing domestic problems.

So you didn't get an increase in the $9.90 support price for 3.5 milk but the M-W went to $12.50 or $2.60 above the support just on the strength of market prices alone and that's more than you would have gotten from Congress.

Your farm price now in Order 2 is $13.32 or $3.42 above the support price before quality, volume and voluntary handler premiums that add a significant amount to your milk check.

The point is that the market place has provided more than you were likely to get from Congress and if you want to present another proposal in the next session you're more likely to ask for what you can get.

In the meantime, there are the Emergency Livestock Feed Program and the Dire Emergency Supplemental Funding for those who were hurt by the drought, in addition to a 5-cent refund if you produced less milk in 1991 than 1990.

These aren't presents you can put under the tree, but just stocking stuffers to remind you that there are some reasons to be cheerful.

Gift Suggestion

If your family is asking you for gift suggestions or you need something for your neighbor dairyman, how about a copy of my video tape on "Pricing Under Federal Milk Marketing Orders in Pennsylvania"? You can have it by Christmas if you phone the order to Laurie Hearn, Penn State Visual Aids at 814-865-6309.

It comes in a nice box that doesn't need gift wrapping; the price is only $35.00 and you don't have to pay until you get your December milk check. Make the check out to "Penn State University" and mail it to Laurie Hearn at 119 Ag Administration Building, University Park, Pa 16802.

Seriously, it's the basic training in milk prices that every producer should understand and you can learn at home.at your leisure or share it with your friends and pool the information. There are some reference materials that go with the video tape that will be helpful or you can call me at 717-963-6842 or write to me at 200 Adams Avenue Scranton, PA 16802 if you have questions about something I didn't explain adequately on the tape.

On yes, I forgot, if you buy it for yourself it's tax deductible.

It may be better to give than to receive but in this case you can have it both ways.

Changes Coming

Recommended decisions by USDA in Federal Milk Marketing Orders are the last step following all the proposals, hearings and exceptions before the final decision is made and a referendum of producers is held to adopt the Order as amended or to discontinue the Order.

On Nov. 15, USDA issued a recommended decision for all Federal Orders on the national hearings held in 1990 and on Nov. 5 a final decision for Order 4 on hearings held last July in Philadelphia.

The recommended decision for all Federal Orders established three classes of milk in all Orders (which we already have here in the Northeast since last April) and provides for the pricing of condensed and dried milk used in reconstituted milk as a fluid product.

The final decision for Order 4, the Middle Atlantic Milk Marketing Area, was to adopt component pricing provisions for Class II and Class III milk in that area.

There would be no added money involved, but handlers could adjust producer payments on the amount of solids-not-fat in their milk, above or below the average, as well as for the butterfat content.

Looking Ahead

In addition, USDA has asked for public comments by March 2 on all milk marketing orders because Secretary Madigan is not satisfied that all the issues were aired in the 1990 national hearings.

Specifically he's asking whether consumers and the dairy industry would be better off with more or less regulation or should we end all Federal Orders.

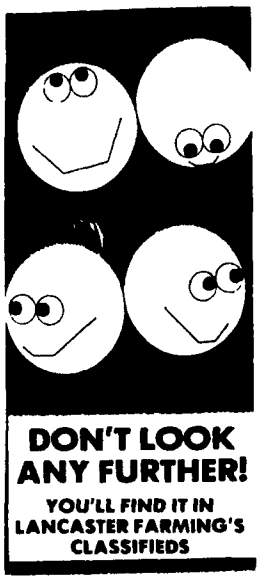
He didn't say price supports.

He said Federal Orders and you have to understand the difference.

If you terminate Federal Orders you won't have to worry about a replacement for the M-W as a Basic Formula Price but look for hearings to be announced soon.

If changes are made, the results may have more affect on your prices than any of the other decisions unless you vote to end Federal Orders.

That choice is yours, thank goodness, so choose carefully. You won't have to worry about that until next year so, in the meantime, have a happy holiday.



BUY, SELL, TRADE OR RENT THROUGH THE

CLASSIFIED ADS

PHONE: 717-626-1164 or 717-394-3047

1 FARM EQUIPMENT

NH 273 Baler w/thrower; (1) new pipe frame bale wagon; NH 56 Rake; New 710 Pequae Tedder; 609/299-4952.

18' Kawanee fold up disk, all new blades, like new, $3,750. (410)833-1847.

1979 Dodge W-300 with dump and 8' Meyers power angle plow, 1840 Case skidloader with trailer. (717)435-0145.

1980 Button Johnson tomatoe harvester, refurbished 1985, w/brush shaker, electronic color sort, disc pickup head w/ conversion to knife head. 717-473-4473 Ask for Sam.

1985 13'6" Stoltzfus Lime Body, 30' spread, all hydraulic, $5,800. 717/292-5159.

1985 JD 401D loader tractor, 3 pt. PTO, runs good, $8,000. 301-833-2311

1985 JD 6620 Side Hill Combine, 4WD, 2700 hrs., 15' flex head, 4 row corn head, $41,000. 301-898-7426.

1990 7' Bush Hog squeeler, SQ84, 3 pt. hitch, slip clutch, low hours. Best offer over $1100. 215-987-9833.

200 bales alfalfa hay, $3 per bale. (410)928-5226 after 7 pm.

2020 JD, gas, w/#48 loader, good condition, $5600. 215-589-4400.

2100 Better Built spreader with injectors. Can be seen at K&S Quarryville, PA, $3000. 609-935-5657.

7040AC tractor, cab, air, PS, good rubber; 200AC tractor, WF, good Amish tractor; 1932 English Fordson. 717-529-2204.

815 Int. combine, 1700 hrs., excellent, all options, $10,000. Int. Cub w/1R cultivator, will separate, $1,200. (410)928-5226 after 7 pm.

6600 hydro Side Hill, very good, $15,900. Larry Stalter, "The Combine Man" 1-800-248-2151

2444 IH Loader Tractor w/ dung fork, rear weight & reverser, D2-Cat track chain. 717/354-8575.

Complete Diesel Engine for JD 4230, 70 hrs. since major rebuilt. 717-866-7066 Days.

Complete set of doors for IH 86 series cab, $1000. 301-898-7426.

8V92TA Silver Detroit diesel, good used, $3,500. 6V92TA Detroit diesel, needs overhaul, $1,200. 238 Detroit and 318 Detroit rebuilt exchange engines. V8 GMC Toro-flo diesel 235hp as is, $500. (717)733-3890.

AC 7000, Black Bottom, 20.8, CAH, $5,500 301-833-9091

BACKHOE AC D14 w/ loader, 34HP, new rubber, with or without backhoe, runs excellent, $4,000/Offer. 301/898-7426.

BACKHOE ATTACHMENT Bradco, 3 pt. w/ pump, $2,000. 301-833-9091

BATWING MOWER WOODS HD 315, new, $6,000. 301-833-9091

BATWING MOWER Woods B315, $2,000. 301-833-9091

Bush Hog 2102 Post Hole Diggers w/12" Double Flite Augers, $799. Taneytown Farm & Hardware 410/751-1500.

Bush Hog 3126 10½' Mowers, $3,595. Taneytown Farm & Hardware 410/751-1500.

Bush Hog 7' 3 Pt. Mowers, $1,400. Taneytown Farm & Hardware 410/751-1500.

Case 2290 cab, air. New 20.8x38 tires. Real sharp. (301)582-1927.

Case IH 5130 maxxum, power shift, 94hp, 18.4x38 like new tires, roll guard w/ canopy, extra lights, wts., looks like new, 485 hrs., $24,000. (717)597-5623.

Case IH 5100 20x6 w/ packer wheels; AC600 4 row no-till planter, dry fertilizer; NH353 mixer like new; Allied 51' auger; Vicon spreader; Zimmerman 36' elevator; Fahr tedder; N1325 picker; 12' bin sweep. 717/966-1561.

Case IH 800 corn planter, liquid fertilizer, no-till, monitor, 4-30" rows, $6,250. Call early mornings or evenings till 7 p.m. 717-949-3074 or 703-879-9926

DISMANTLING FOR PARTS: New Arrivals: AC HD11EP dozer w/ROPS & fair U/C BALANDA EQUIPMENT P.O. Box 407 Rt. 29 Palm, PA 18070 1(800)322-8030

Diller Manure Tankers: Pull type or truck mounted. We buy, sell, trade, and rebuild at a fraction of new cost. Call (800)523-8002 or (717)369-2691 today Franklin County.

Disc harrow, 22" offset transport heavy duty 8'6" cut w/hydruaulic cylinder $500. 215-356-2462.

DO YOU HAVE a Farmec, Smoker, Hub, NH or MLR #155 hay and grain elevator? WE HAVE new parts for it! New Holland Elevator Co. (717)687-0102.

Deutz DX-90, 90hp, 2400 hours, 20-speed with creeper, new radials, excellent condition, $10,500; IH 700 4 bottom, automatic reset plow, $1700; 20.8x38 DMI Duals, $500, 717-426-2659.

DISMANTLING FOR PARTS:
New Arrivals.
2 IHC 125C both with 4 in 1 bucket, decent U/C, and 2 good engines.
BALANDA EQUIPMENT
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RT 29
Palm, PA 18070.
1-800-322-8030

FOR SALE. 750 MF combine with 16pt grain table. Call (410)634-2767.

Ford 620 Loader Backhoe, runs good, needs some work, $1,600 215/795-2281.

Ford model 1910, 31hp, 4WD diesel w/loader, landscape rake, scraper, post-hole digger, 2-stage snow blower, plow all $12,000. (215)383-5574 with 12,000# trailer $13,000.

For most any grain or corn header, or self propelled choppers. Call Larry Stalter, "The Combine Man" 1-800-248-2151

For Sale: 1979 FMC Tomato Harvester, electronic sort, rotating disc pick-up. 717/365-3375.

For Sale: 30' single chain Elevator. 717/866-6441.

For Sale by Farmer: JD 4020, good condition, 105 H.P., $6800; Oliver 4x16 trip bottom plow. Cumberland Co. 717-530-8243.

(2) JD 3 bottom 3pt. plows 717/367-1057 after 6PM.

(3) 5000 gallon steel tanks, excellent nitrogen storage, good shape, best offer. (717)784-6922.

440 JD loader, good condition, good undercarriage, $3200. 215-944-9871.

489 NH haybine, in good condition, $1,950. Call evenings, (215)593-2689.

5506 Deutz tractor, good running condition, $3100, 717-354-6706.

Farmall A, very clean, $850. Southern Chester County. (215)274-0776.

Farmall Super M, excellent mechanical condition $1400. Phone 717-582-4018.

CRAWLER DOZER JD 350C, excellent, must see, $8,250. 301-833-9091

CRAWLER LOADER IH 125E, 4 in 1, backhoe saddle, very good UC, $11,000. 301-833-9091

Deere 3300, very nice, $4,950.; 4400 gas, very clean, $4,950. Larry Stalter "The Combine Man" 1-800-248-2151

"HAPPY NEW YEAR!" 1992

During the year, in the rush of events, we tend to overlook the important friendships that are the true basis of business relationships. One of the great pleasures of the Holiday Season is the opportunity to exchange cordial greetings with those whose friendship and goodwill we value so highly.

In this spirit it is our pleasure to say "Thank You" and extend our sincere appreciation to the very pleasant association we enjoy with you.

May a bright and prosperous New Year bring happiness to you and to yours.

Happy New Year!
C.J. WONSIDLER BROS.
Quakertown * * New Tripoli * * Oley

For sale 1964 Ford 4000 gas 814/486-1401 or 814/486-3229.

FREE to a good home-tires for capping silage piles. We will deliver to your farm for free (717)359-7542.

FRICK top saw with 32" B-style blade, 52" and 56" sawmill blades 215/431-[illegible]87.

Gehl 125 grinder mixer, three years old, A-1 condition, Lanc belt feeder, 120ft., best offer. Lanc. Co., 717/656-9327.

Grain dryer, Gilmore Tatge 270; (2) plows, both four bottoms; Chisle plow, harrow, grain planter International, haybinder NI; rake, baler International, corn picker Oliver, corn elevator, corn cultivator International, corn sheller, corn planter International 814-247-8989 Call after 4PM

Gruber Style Antique Hay Wagon Collectors item, good condition. $600 215/944-9610.

HIGH TORQUE DIESEL STARTERS with 3 yr. warranty for most domestic tractors and select imports With 6 month no risk money back guarantee. Call Gary D. Sneath at 1-800-622-7892

Horsts wagon gears w/ honest ton rating and no sway trailing, heavy duty. Custom made wooden conveyors and taperboard feeders. RISSLER CONVEYORS, 1275 Indiantown Road, Stevens, PA 17578. (215)267-2244.

Farmers = Dealers -- Your advertising pays for itself when you advertise your equipment in the farm equipment section. 717-394-3047 or 717-626-1164

FORAGE HARVESTER NH 717, 2RN, $500. 301-833-9091

FORKLIFT Lull, 4WD, gas, lifts 30', $4,000. 301-833-9091

IH 1440, 2 heads, super sharp, $24,900 Delivered 1-800-248-2151

IH 1486, 16 spd., ROPS, $5,500. 301-833-9091

IH 175C, excellent condition, decent U/C $12,500. Ask for Dennis or Larry 717-328-2881 Day, 717-597-9516 Evenings.

IH 274 1000 hrs, front and rear cultivators, excellent condition. JD 2150 w/175 loader, 1000 hrs., (908)367-6590 after 6pm.

IH28 blade-drag disk, $100. JD44 2-bottom p'ow, hydraulic lift, rubber, $100 Woods Bros. corn picker, $50. 3-section spring harrow, $50. 8x9 stake-body bed, $50. (717)266-3722

IH 3388, 2+2, very good condition, 130 h p., MFWD, must see, $9,500. 301-833-9091

IH 574 Row Crop, good condition, $5,750. Call early mornings or evenings till 7 p.m. 717-949-3074 or 703-879-9926

IH 606, gas, 1 owner, roll bar, 2 outlets, $2,500. 301-833-9091

Int. Tractor 966, good condition. Call 717/566-8141 after 5PM

Int. Tractor 1456 w/cab, good condition. 10 Tooth Chisel Plow, pull type w/ buster bar. Call 717/566-2749 after 5PM.

JACOBSON F-12 turf tractor, 3 pt., PTO, 2 outlets, ROPS, $1,500. 301-833-9091

JD 1010, PS, front/rear weights, 3PH, cultivators, 36HP, asking $3,500. JD 3020 Dsl., SC, WF, Syn., 70HP, $8,500. 717/463-2394.

JD 1209 Haybine, Middle Serial Number, working condition, stored under roof, extra set of guards included. Call 215/679-8921, Lehigh Co.

JD 1240 Plateless planter always shedded excellent $1,500; Dunham Hehr 13' Cultimulcher always shedded excellent, $1,500 215-944-9819 Berks County.

JD 16A Flail Chopper; Farmall H $575; Int. 350 Transport Disc, 10', $1,075; 32' Mayroth Hay Elevator, $275; MF PTO Blower, $195; 5' 3Pt Rotary Mower, $350. 215/562-4464.

JD 2550, 4WD, hi-low w/245 loader, 2,300 hrs., $18,500. 717-272-2352 or 717-949-2123

JD 2630, Ind. PTO, runs well, $4,900. 301-833-9091

JD '2630, new engine, repainted, rack and pinion, ind., like new, $6,800. 301-833-2311

IH Hydro 84, 2,200 hrs., excellent, $7,500. 301-833-9091

Int. 715 combine, 15' grain and 13' bean headers, $5,000. (609)259-2630.

International Cub tractor HYDRAULIC operated grader blade snow plow, bottom plow, disc with chains and PTO, $2,000. After 6pm, (717)599-5857.

MF 184-4, 4x4 w/cab and quick attach loader; MF 2705 w/cab, air and duals. 301/582-1927.

MF 230, gas, 40 h.p., ROPS, PS, LPTO, excellent, $4,500. 301-833-9091

MF 2675, 4 post, 2500 hrs. MF 1155 cab, air, duals, 3800 hrs. (301)582-1927.

MINNEAPOLIS MOLINE PARTS NEW AND USED AND TRACTORS. EVERETT BROS. 614-922-3335.

Miller disc, 10', 75% blades, field ready, $2800. 301-898-7426.

JD Unstyled AR; JD Style D; JD 820; JD 630 WF; (2) Dion forage wagons; 20' Silo-Matic ringdrive unloader. Call after 5PM 717-222-4432. or leave message.

John Deere 6X front mount cultivator, fits 3020 $400; 6"x40' irrigation pipe $75 pipe; 5", 6" fittings, tees, elbows, reducers, plugs. 609-886-1962.

Kinze 6 row corn, 11 row soybean planter, liquid fert., monitor, no-till coulters. Chester Co. 215/869-8360.

Krause Landsman 12', K-tines, roller baskets, tine harrow, rear hitch, excellent shape, $4500; Rhino 11' model 127 offset disc harrow, 24" blades, some wear, 9½" spacing, F&R, rear hitch, Buster bar, excellent offset at a very affordable price $2300. Call Sheaffer evenings 301-778-0185.

LOADER ATTACHMENT ALLIED 380, $1,500. 301-833-9091

NEW HOLLAND ELEVATOR COMPANY New 30' and 36' Elevators; new parts for Model 155 NH; rebuilt 24', 30' and 36' Sperry/NH Elevators. We will trade, buy or rebuild your used or damager NH Elevator. Thank You. Tom Wheary, Jr. 717/687-0102.

New Holland bale wagons: 1069 diesel, 250 hrs, like new, $40,000. 1069 gas, 1,100 hrs. excellent, $27,500. 1049, $11,000 (above self- propelled, 160 bales). 1033, 105 bales, used very little, $6,100. 1033 good, $4,900. Also other sizes. Roeder Implement, Seneca, KS (913)336-6103.

New & Used Parts For Oliver, Minn. Moline & New Holland. 717-333-4256

NH 273 baler; NH 489 haybine; wheel rake; good condition, field ready, $4000. 717-469-0543.

NH 307 spreader for sale, side delivery, good condition w/fish bowl side 717-786-2544.

JD 4050, 4 post roll guard, quad range transmission, new rubber excellent condition, $21,500 717-398-1184.

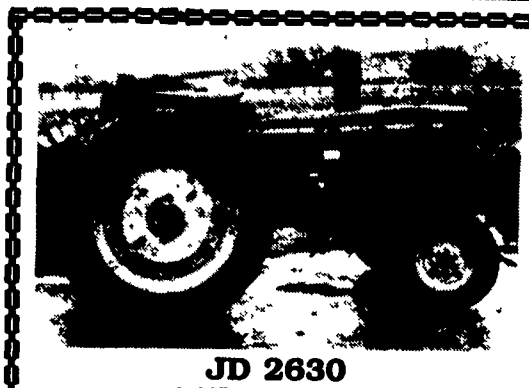
JD 4230 Dsl. Tractor, QR, real nice; JD 4200 4 bottom rollover plow; JD 54 Manure Spreader; JD 643 Corn Head. All good condition. 717/867-4538 Mornings 'til 8:30 or evenings.

JD 46-A Manure Loader w/ round bale forks, fits 10 or 20 Series, $1,000. 301-898-7426.

JD 4850, MFWD, PS Trans., SBG, nice, 3300 hrs., $43,500. No Sunday Calls 301/824-7240.

JD48 loader fits 2630 $1,900. Berks County. No Sunday calls (215)944-0352.

HARLETON, PA
717/922-1650
White 2-105 Perkins 354 Dsl., turbo, w/ fenders, dual fuel tanks, 1976 model ~~$7,800~~ $7,500
4006 Deutz on tires or steel. $3,200
Husky 3000 gal. spreader $1,750
AC 4 Bottom 16" or 18" Hydr. Reset Plow, $1,300
Pequea Hay Tedder
Financing Available



JD 2630
70 HP, Runs Good
$5,000
410-833-9091

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8 a.m. to 5 p.m.
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The following categories are available for your classified advertising. In Section E. Deadline-Thursday morning at 9 of each week's publication.

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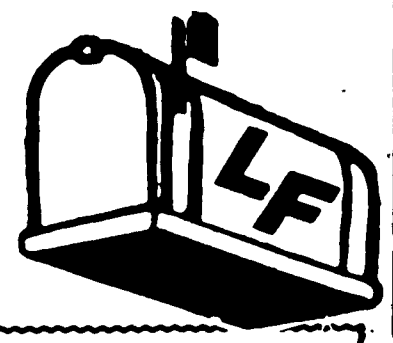

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(Phone Numbers Count As One Word)

JD 8300 21x7 grain drill, VGC, field ready, $3000 firm. 410-343-2705.

JD 900 cultivating tractor, hi clearance w/dry fertilizer, low hrs., $7,000. 301-833-9091

JD3020 diesel, turbo, power shift. N/F. Low hours, $7500. Wrapmaster bale wrapper and Agriversa silo bagger. Both like new. Take over payments. 814/263-4997.

NH 845, 846, and two 850 round balers; Century 500 gallon sprayer. (301)582-1927.

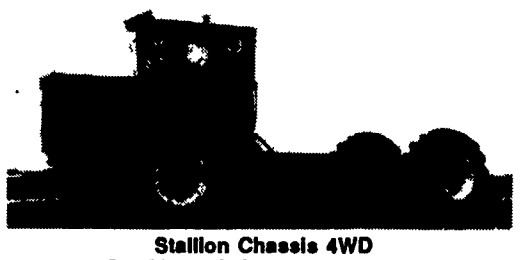
NH model #467, 7' cut, excellent condition. Asking $1800. 908-362-8101 Day; 908-362-9192 After 8PM.

NI 325 picker, 12 roll bed, field ready, $3,550. Call early mornings or evenings till 7 p.m. 717-949-3074 or 703-879-9926

NI cutditioner. Brady 13' field cultivator. (717)866-7035.

NI solid plus, 382 manure spreader, good condition. 717-436-6094 After 5PM.

3500 gal. Pres-Vac Tank Manure Spreader
3208 Cat Diesel Allison Automatic
Also Available With Dry Spreader



Stallion Chassis 4WD
3208 Cat Diesel Allison Automatic $29,000
301-928-3009

DEPENDABLE MOTOR CO.
East Main St., Honey Brook, PA.
215/273-3131 or 215/273-3737

NH 258 Rake
NH 790 Manure Spreader
NH 791 Manure Spreader
NH SP 1895, 4WD, 3RN & P/Up, Cab, AC, Exc.
Int. 990 Haybine, 7'
IH 425 Baler w/Thrower
Grimm Tedder- New Demo
Gehl 315 V Spreader
(2) NH 489 Haybines
NH 519 Spreader
NH S676 Spreader
Ford 532 Baler
NH 310 Baler
NH 30 Forage Blower

WE REBUILD 489 WOBBLE BOXES
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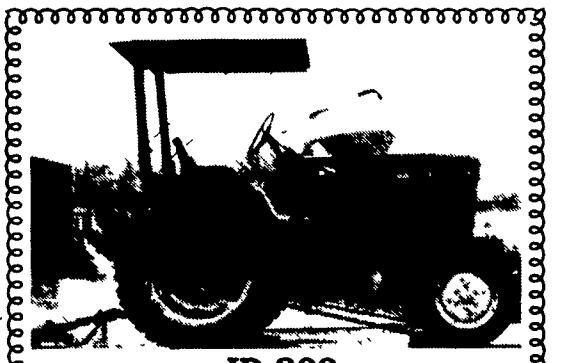


JD 900
Cultivator Tractor, Runs Exc.
$7,000
410-833-9091

Best Buys in Used Equipment

GOOD USED TRACTORS

(1) UT 2543 John Deere 4630 Cab & Air Tractor In Very Good Condition

(2) UT 2435 Case IH 385 Diesel Tractor, 35 HP With Only 768 Original Hrs., Case Tops Warranty To Aug. 30, 1993 Or 4000 Hrs. With New Case IH Loader Installed

(3) UT 2298 Massey Ferguson 2705 Cab & Air, Only 2302 Hrs., 24 Speed Power Shift, 540-1000 PTO, 12 Front Weights

(4) UT 2509 Deutz DX140 Cab & Air, Power Matic Shift, 20.8x38, 80% In Very Good Condition

(5) UT 2511 Case 1690 Diesel Tractor 90 HP Rated 18.4x34 Rear Tires, Duals, Remotes

(6) UT 2563 Deutz D130-06 Diesel Tractor With Cab & Heater, 540-1000 PTO, 2 Remote Outlets, Engine Our Less Than 100 Hrs. Ago

(71) UT 2553 Case IH 485 Diesel, 42 HP Tractor Only 490 Hrs.

USED SKID LOADERS

(1) UT 2538 1990 Case 1835C Diesel Uniloader With Aux. Hydraulics With 60" Bucket With Tooth Bar On Bucket, Lights, 706 Original Hrs.

(2) UT 2512 Case 1830 Gas Uniloader 2366 Hrs., 66" Utility Bucket With Counter Weights & Lights, Approx. 30 HP

(3) UT 2114 Case 1845C Used In Our Shop With Aux. Hydraulics, 72" Quick Coupler Bucket.....$10,800

(4) UT 2406 Case 1845C 51 HP Diesel Uniloader, 1987 Model, 12:00x16.5 Tires, new 73" Bucket

(5) UT 2456 Gehl 52 HP Model 5620, 1989 Model Perkins Power, 1032 Hrs.

(6) UT 2295 1980 Case 1835 Diesel With Utility Bucket

(7) UT 2524 Case 1835B Diesel Uniloader 1983 Approx. 2000 Hrs., Excellent Condition

(8) UT 2564 Case 1830 Uniloader With 60" Utility Bucket, Bucket Nice!

(9) UT 2569 Case 1830 Uniloader With Good Dirt Bucket

(10) UT 2570 Gehl 4400 Hydrostatic Drive Skid Loader With 65" Bucket (Nice Unit)

(11) UT 2550 Gehl 3610 Diesel Skid Loader, 1986 Model With 54" Wide Bucket

(12) UT 2545 Gehl 4610 Diesel Skid Loader, 1988 Model 44 HP, With 65" Bucket

(13) UT 2552 Case 1845 Diesel Uniloader

(14) UT 2566 Case 1845B Diesel Uniloader 72" Bucket

(15) UT 2575 Case 1840 Diesel (Case Cummins Powered) 50 HP With 63" Utility Bucket With Block Heater, Lights, Low Hrs.

LAST WEEK!!!
Discount Cash & Carry Days
Now Through January 4th, 1992.
See Dec. 14th Issue - Pages D14 Through D24 For Details!

Dear Valued Customer,

This year was certainly a challenge for all of us and sometimes in the rush of business, we may forget to say thank you.

Without you we could not exist. We will always do our best to be of complete service to you and to satisfy you.

We do appreciate your business. But most important of all, we wish you and your family a New Year filled with health and prosperity.

Binkley & Hurst Bros., Inc.

BINKLEY & HURST BROS., INC.
133 Rothsville Station Rd., Lititz, PA 17543
Located ½ Mile North of Rothsville
(717) 626-4705 1-800-IT PAYS U

case IH

YEAR END SPECIALS
To January 15, 1992

TRACTORS

** **Oliver 1855,** diesel WF, over & under, recently overhauled, 20.8x38 radial tires, new front, weather breaker, excellent condition.....$8,250
* **IH 574,** diesel, row crop model w/original hrs., in good condition..... ~~$5,950~~ $5,750
** **Ford 9700,** roll bar & canopy, dual power, dual hydraulic, 20.8x38 radials, front & rear weights, 2,400 hrs. . . . . ~~$14,900~~ $14,500
** **Ford 5000 Diesel**..... ~~$6,950~~ $6,750 **w/Dunham Loader**.....$8,550
** **Oliver 1650,** gas, NF, hydro power, 1,975 hrs..... ~~$4,950~~ $4,750
** **Mustang 1700 skid steer loader,** torque converter, water cool engine, quick attach bucket.....$4,650

Harvesting Equipment

** **NI 325 picker,** 12 roll bed.....$3,550
** **NI 838 husking bed** for uni system w/feeder housing.....Call For Price
** **IH 600 blower,** excellent condition, in use.....$2,850
*** **NH 258 rake,** steel teeth.....$1,795
** **NH 268 baler** w/chute..... ~~$1,275~~ $1,195
** **Fox hay head**.....$275
** **JD 5¼ ' hay head,** hex shaft, no clutch.....$550
* **JD Hay Head,** excellent condition, round shaft.....$675
* **Fox 6200 chopper,** Perkins engine, cab & air, 4WD, 3RN head & hay head..... ~~$15,950~~ $15,500
** **MF 260 harvester** w/2 RN head, electric control.....$1,250
** **NI 486 Round Baler** w/Endless belts, extra nice..... ~~$7,250~~ ~~$5,950~~
** **NH Hay Head** fits 717 & 770 harvesters..... ~~$595~~ $495
** **Grimm PTO 7' tedder**..... ~~$895~~ $850

Planting & Tillage

** **AC Model 3000,** HD double offset disc, hyd. fold, 18' cut..... SOLD ~~$3,850~~ $3,550
** **9' Taylorway Disc,** offset, heavy frame..... ~~$1,950~~ $1,850
** **Case IH 800** corn planter, liquid fertilizer, no-till monitor, 4-30" rows..... ~~$6,500~~ $6,250
* **White 348** 3 btm. cushion trip plow..~~$975~~ $825
* **Oliver 3 btm.** cushion trip plow, good condition.....$650
* **JD 10' transport disk**.....$750
** **JD 7000** Conservation 4 row planter w/liquid fertilizer & frame mounted coulters & unit mounted coulters w/population monitor & extra parts..... SOLD ~~$4,850~~/OBO $4,550/OBO
* **JD no-till drill #1550,** 12 disc, 8" Spacing..... ~~$3,650~~ $3,450
JD 12' Packer, 4" Axle. . . . . ~~$1,075~~ $995

Manure Handling Equipment

** **Knight 350 Spreader,** endgate, top beater, tandem axle, hyd. drive, excellent cond. SOLD ..$3,250
* **NH 512 spreader,** single beater, manure pan.....$995
* **IH horse drawn spreader**..... ~~$350~~ $295
** **NH Endgate** for 519 or 679 w/cylinder.....$295
* **NH Endgate** for 518 or 676 spreaders, like new.....$225

Miscellaneous

* **Western snow plow,** power angle, good condition.....$895
** **Badger 12 ton tandem gears,** late style, excellent cond., no tires, two available..... ~~$995~~ & $895
** **NI running gear,** swinging bolster.....$250
J&L Feeders Hay Savers.....$725
** **NH 353 Grinder Mixer,** clean & original..... ~~$3,850~~ $3,250
** **Horst heavy duty wagon gears** in stock, 7 ton, 9 ton, 13 ton, 14 ton & 16 ton.....Call For Price
* **Country Boy bins,** 195 & 215 bushel.....Call For Price
* **Farmco Feeders,** 24' transport.....$775

D.J. IMPLEMENTS OF PA & VIRGINIA

* PA Sales Lot
** VA Sales Lot
*** Chambersburg Lot
Call Alvin Martin Early Mornings or Evenings Till 7 p.m.
717-949-3074
or Dan Rhodes (same time)
703-879-9926

Old Farm and Construction Toys, Trucks, Literature, Signs, Pedal Tractors, Advertising Memorabilia, etc for sale. $5.00 for 50 page list. Shown by appointment. I Buy-Sell-Trade Lloyd J. Wenger, 831A Hilltop Rd., Myerstown, PA 17067. 717/866-7147 evenings

Oliver Cletrac DD 75hp diesel dozer with 11 ft 6 way blade Needs restoring, $1000. John Deere 450 sprockets New and used loader buckets. Lanc Co. 717/738-2573.

ORCHARD DISC, 8' adjustable angle, 36" blades, 90%, $1,000. 301-833-9091

PARTS PRICED RIGHT
CRAWLER TRACTOR PARTS
CURRENTLY DISMANTLING
AC, Cat, IHC, JD, Case, Michigan, Hough, Galion and others. Loaders, dozers, graders, excavators, backhoes. Many parts removed & checked, ship anywhere.
NATIONWIDE PARTS LOCATER SERVICE
NEW ARRIVALS FOR DISMANTLING
Case 680C; AC HD11EP, Liebherr R911B; IHC 125C w/4in1 Bucket; Hough HMG. And more--inventory changes weekly.
BALANDA EQUIPMENT
PO Box 407
Route 29
Palm, PA 18070
1-800-322-8030

Papec Grinder Mixer, 1 ton, works OK, $1,500. 301-898-7426.

Parting Out: IHC T-9, TD9, TD6, loaders, dozers, lots of rear end U/C, parts Eng., Parts Galion 118, grader parts, running eng. 282, diesel 263, gas TD340, loader parts. Somerset County. NJ 908-658-3414

Pequea 20' Hay and Silage Feeder, wheels, 8 months old, $1,800. 301-898-7426

PLOW JD 1350-1450 6 btm. spring trip, $600 301-833-9091

Pto Generators & Alternators by Generac & Dead Animal Incinerators. Best Prices Anywhere. Dunham Equipment Co., (800)231-8277.

Rotary mower 6' 3ph solid deck w/stump jumper, $350. YorkCo. (717)428-3007.

Sauder snow blade, 8', spring trip, Ford brackets, $450. Call early mornings or evenings till 7 p.m. 717-949-3074 or 703-879-9926

SICKLE MOWER Ford 515, 3 pt., balanced head, field ready, $400/Offer. 301-833-9091

SKID STEER NH 325 w/ Kubota diesel, 2 buckets, runs well, $3,500. 301-833-9091

Skid loader, Hydra-Mac 20C, runs good, new 1983, 58 h.p. diesel, operating capacity 2300 lbs., $8000. 717-627-2499.

SNOW BLOWER JD 3pt., 6', used once, as new, $1,000. 301-833-9091

Steiner 300 tumble mixer, 1 year old, excellent condition, $7,800. (814)793-2583.

Taylorway 14' rock-flex finishing disk, HD w/field bearings, excellent condition, $2,500. (717)354-0182.

TIRONIE'S TARPS SHIPPED ANYWHERE. 1-800-874-2928.

2-row rear mounted cultivator; twelve foot concrete cattle guard. Best offer. 609-935-5657.

SPECIAL SALE!
Cushioned Hitches Bumpers
Weaver Distributing
1-800-WEAVER-D
Before 8:00 PM

USED TRACTOR PARTS, also rebuilt clutches and torques We ship UPS. Hill-T Farm Sales = Service, 4295 Richmond Palestine Road, New Madison, Ohio 45346. 513-548-0718.

WHEEL LOADER CAT 910, cab, good rubber, $10,000. 301-833-9091

White 10 tooth chisle plow w/adjustable gauge wheel, $1200; 276 NH baler w/ thrower $2500; IH 10 7x16 grain drill $300. 717-738-0886.

Standby generator, Win Power, 25KW, V465D Wisconsin engine, 120/240V, single phase w/auto transfer switch, $2150. (215)343-0156.

Steel wheels, 66H, 18W, 30C, $900; Oliver 4x16 auto reset plow, $875. Cumberland Co. 717-530-8243

Utile MP-80 vacuum pump w/3hp motor, 72CFM-NZ includes oiler and vertical stand, used 2 months, (717)848-9827 between 8am and 4pm.

Vegetable Equipment: (3)Allis Chalmer G's, (2)w/ hydraulics, (1)manual. Oliver 1650. Oliver 1755. JD 2040, low hours. JD 4200 Rollover Plow. Larchmont 6' Bedmaker. Byron-103 Sweet Corn Harvester. Chestertown, MD 410/778-4833.

WOODS C114, 9½' mower, field ready, $1,400. 301-833-9091

WOODS C80 pull type mowers, $500 and up 301-833-9091

WOODS HD315 batwing, new, $5,900. 301-833-9091

WOODS R106 Bush Hog, $650. 301-833-9091

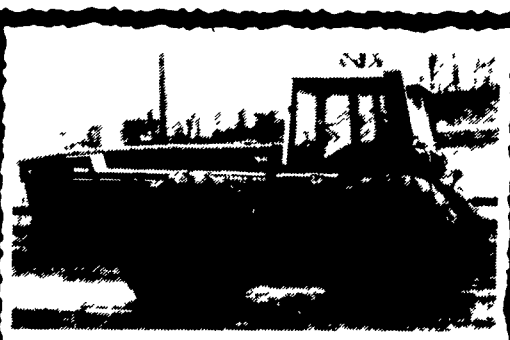
ZETOR 5245, 43 h.p., 4x4, 500 hrs., like new, $5,000. 301-833-9091

WOODS 121, 10½' pull type rotary, new, $3,300. 301-833-9091

WOODS 72" pull type mower w/warranty, $600. 301-833-9091

Will buy liquid fertilizer tank and pump for JD 7000 or trade for dry. Must be in good condition. Cumberland County. (717)532-7778.

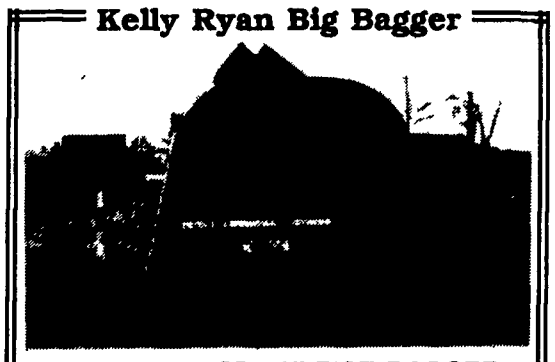
WANTED WINDMILLS OR TOWERS
Buy - Sell - Trade
Also, Horse Drawn Equipment
Call Gerald
1-800-622-4482
Or Ed
410-754-5405
Evenings



IH 3380
CAH 3 Ph, PTO, Working TA
$9,500
410-833-9091

JD 350C
Good Cond w/Exc. U/C
$8,250
301-833-9091

Kelly Ryan Big Bagger



NEW ADVANCED HI-RISE BAGGER
8', 9' - 2 Wheel, Self cleaning
TRENCH COVERS 6 MIL BND, B&W
UP NORTH SILAGE BAGS
CUSTOM BAGGING
AG PRODUCTS CO., INC.
717/328-3177

All Steel Frame Hay Wagon, 8x18
All Sizes, Steel Hay Feeders
24' Feeder On Whls.
Self Locking Panels
J & L EQUIPMENT
St. Thomas, PA
717-369-2637

CHARLES S. SNYDER, INC.
FORD NEW HOLLAND
ROUTE 3 ON ROUTE 443
TAMAQUA, PA. 18252
PHONE: 717-386-5945
MON. THRU FRI. 8:00 A.M. TO 5:00 P.M.
SAT. 8:00 A.M. TO 12:00
SHIP PARTS UPS DAILY!

COMBINES
NH TR70 Hydro 6 Row- 15' Head
Ford 642 Hydro 4 Row Narrow 13'

USED TRACTORS
Ford 5610 2/W, 418 Hrs.
Ford 5610 2/W, 600 hrs.
Ford 1710 4/W, SST, 245 Hrs.
7710 Cab 4/w, 250 Hrs.
2- Ford 8N
1210 4WD Loader & Backhoe, ARPS
Ford 7700 2WD w/Cab
Ford 7000, 4420 Hrs.
Ford 5000 Diesel 8-Speed
Ford 4000 Gas SU, 3689 Hrs.
Oliver 1755 w/Cab, 3062 Hrs.
Ford 9700 2/W Cab, 4659 Hrs.
Ford 3000 Diesel, 8-Speed
Farmall 340 w/Snow Plow
Case 235 4/WD w/Loader
Kubota B6100 2/WD w/Mower

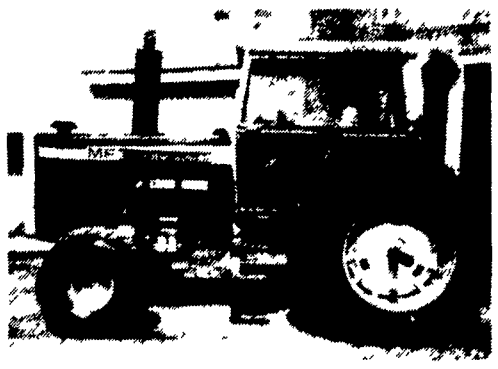
USED INDUSTRIAL TRACTORS
Ford 555 1979 2W ROPS, New Hoe, 1574 Hrs.
Ford 555 1980 2/W ROPS, 4 Lever, 1638 Hrs.
NH 781 Skid Loader, Deutz Motor, Boom Hydro, 2583 Hrs.
NH 775 Skid Loader, Wisc. Engine, 850 Hrs.
785 Skid Loader, 1900 Hrs.

HAY & FORAGE
Pequea Hay Tedder
NH 56 Rubber Tooth Rake
Ford 532 Baler
NH 1495 Haybine, Diesel, Hydro.
NH 570 Baler w/Thrower
NH 489 Haybine, New Rolls
320 Baler w/Thrower, Nice
273 Baler w/Chute
NH 426 Baler w/Thrower
283 Baler w/Thrower
MF 124 Baler

TILLAGE
JD 7000 4-Row Planter
Ford 140, 5 Bottom, 16" Cushion Trip
Ford 101, 3 Bottom, 14" Plow
Ford 145, 3 Bottom, 18" Rollover Plow
Ford 145, 2 Bottom, 16" Rollover Plow
Brillion 14' Packer
Ferguson 2 Bottom 14" Plow

MISCELLANEOUS
8000 Or 9000 Safe Guard Cab
Ford 768 Loader
Ford 727 Loader
NH 680 Spreader (New Chain)
514 NH Spreader
New Idea 3632 Spreader
NH 520

SPECIAL OF THE WEEK



MF 2775, 8 Speed, 1,980 Hrs., 20.8-38 Duals
$11,500

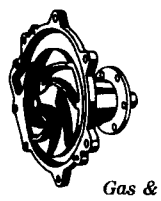
JD 2550, 4x4 w/hi & low	$15,000
JD 2520, diesel	$ 4,800
MF 1135, cab & air	$ 8,000
AC 8550, 4x4 w/duals	$15,500
JD 1530 w/hi-low	$ 5,500
IH 1566, cab & air	$ 4,900
IH 1086, cab & air	$11,500
IH 1066	$ 6,500
IH 856	$ 5,500
IH 826 w/cab	$ 6,500
IH 686	$ 8,250
IH Hydro 70	$ 5,500
MF 2775, cab, air & duals	$11,500
MF 1105, cab & air	$ 8,000
MF 1085	$ 6,500
MF 1085	$ 5,500
MF 294, 4x4 w/loader	$10,500
MF 285, new overhaul	$ 7,900
AC 200 w/cab & air	$ 5,500
Oliver 880, diesel, 3 pt. hitch	$ 2,400
Deutz 6206 w/Loader	$ 6,500
Deutz 4507	$ 5,500
Minn. Moline G900	$ 3,500
MF 232 loader for compact	$ 1,500
JD 450C loader backhoe	$14,000
Brady 16 & 18 hydraulic fold field cultivator	$ 1,200
IH 4X roll-over plow	$ 1,500
JD 4420 diesel combine, 1,486 hrs., 216 flex head & chopper, good cond.	$23,500
JD 443 corn head	$ 4,500
MF 43 corn head	$ 1,900
MF 20' flex head	$ 1,900
Ford 6 btm. on land hitch auto. reset plow	$ 2,500
JD 111 10' disc	$ 1,900
(3) gravity wagons	$800 to $ 1,800
Deutz Allis disc mower	$ 2,000
10', 12' & 14' cultipackers	$500 to $ 900
Dunham 34' rock flex wing disc	$ 3,800
Landoll 12' soil finisher	$ 3,500
Taylorway 7' soil saver	$ 3,900
MF 18.4x38 & 20.8x38 axle duals	$ 800
IH, JD & MF front end weights	$ 35

Available For Rent
5 or 7 tooth auto. reset subsoiler

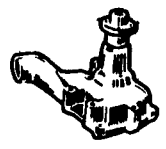
Financing Available

L & M BURKHOLDER
Between Brownstown & Rothsville
Ephrata, PA
717-859-2960 717-859-2712
Shop 717-859-6616

Spring Garden Repair



Isaac S. Stoltzfus
145 Spring Garden Road
Kinzers, PA 17535



Gas & Diesel Engine Rebuilding
Cast & Aluminum Head Rebuilding & Welding
Block Boring & Sleeving
Flywheel Grinding
Engine Parts
Tractor Pistons & Sleeve Kits
Rebuilt Tractor Heads
New & Rebuilt Water Pumps

DISCONTINUING FARMING
Late Model, Clean, Shed Kept

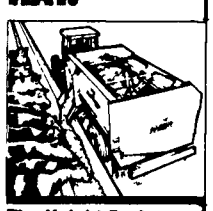
Case IH 5100 Soybean Special, 20x6 grassbox, no fert., packer wheels, less than 200 acres
AC 600 4 Row No-Till Planter, 30", dry fert., insect.
Vicon PS402 Fertilizer Spreader, 3 PH, 950 LB. Cap.
Zimmerman 36' hay & corn elevator, 1½ HP
NH 353 grinder mixer, like new
Fahr 2 star tedder, PTO, 9'
(2) 16' Hay wagons, 10 ton gear, flot. tires, adj tongue
Pittsburgh, 12' Transport Disk w/cyl.
Brillion 12' Cultipacker, 4" axle
12' Bin Sweep Auger, ¾ HP Motor
Allied 51'6" Transport Auger, PTO Driven
Century 300 Gal. Sprayer w/10' Booms, PTO
NI 325 2RN Picker w/8 roll bed, nice, sheller also avail.
MF 165D multi power, w/Dunham Lehr loader, 1700 hrs.
300 Gal. Skid Tank w/hand pump
(4) New Insecticide Boxes for AC 600 Planter
Hydraulic vane cylinder for JD rollover plow

717/966-1561

ATTENTION FARMERS
If you have deteriorating concrete masonary or stone walls, have it repaired with GUNITE®

For information and estimates call
Martins Silo Repair
(215) 445-9834

HOW TO MAKE SHORT WORK OUT OF MIXING LONG HAY.

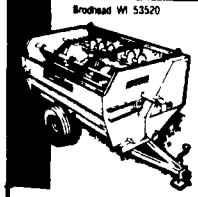


The Knight Series 2000 Reel Auggie® blends long dry hay into a TMR faster than other mixers.

- Blends long stem dry hay in a TMR ration
- Patented reel design reduces dead spots and compaction
- Mixes faster, with less force and pressure for longer machine life and a more palatable ration
- Available in tow truck and stationary models
- Mixing capacities from 105 to 390 cu ft

See this Knight dealer

KNIGHT
Brodhead WI 53520



MILLCREEK
2285 Old Philadelphia Pike
Lancaster, PA 17602
(717) 396-8987
Best Time To Call:
7-7:30 AM Or
Leave Message

MITSUBISHI ENGINE

THERE'S MORE THAN JUST POWER IN THE NAME

There's More Selection: 5 to 5,000 hp with specific concentration from 10 to 50 hp

There's More Exp.: For over 60 years these engines have proven themselves the world over, in the most demanding applications

LET'S TALK DIESEL POWER

RUFUS BRUBAKER REFRIGERATION & POWER
JAMES E. HORST
468 Drywells Road
Quarryville, PA 17566
717-786-1617

FOR SALE:

1 - 12 ft. Single Axle Trailer
2 - Thatchers
1 - Snow Plow-Power Angle, Quick Mount for New Holland Skid Loader
1 - 8 ft. York Rake - 3 pt.
1 - 6 ft. York Rake - 3 pt.
1 - 2 Row Cultivator - 3 pt.

Call (215) 683-6260

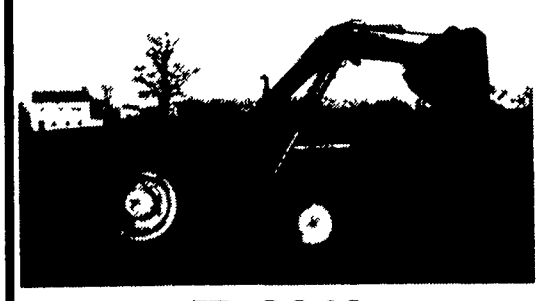
USED TRACTORS

"Will buy or trade tractors"

JD 4240, SGB, QR Trans., 1982, sharp	$19,500
JD 4040 SGB, QR, Trans, 2 Hyd.	$16,500
JD 4430 QR Trans SGB	$14,800
JD 4230, QR, trans., SGB, nice	$13,800
JD 2140, SGB, same as 2750, 75 HP	$13,500
JD 2750 new tires & paint, nice	$12,600
JD 2550 diesel Ind. PTO, nice, 65 HP	$12,500
JD 4230 diesel, QR trans SGB	$12,400
JD 4230 QR, cab, air, new tires	$11,200
JD 2150 diesel, 1986, 620 hrs.	$10,500
JD 2640 Ind. PTO, 70 hp, new paint, 1982	$9,400
JD 4020 side console cab, 2 hyds. orig.	$9,300
JD 2440 1982, hi/lo, ind. PTO, nice	$9,200
JD 2640, hi/lo, 2 hyd., ind. PTO, 3600 hrs.	$8,800
JD 4020 side c SOLD SR trans., Sharp	$8,700
JD 2440, 1982, nice tractor	$8,600
JD 2240 diesel 1982, new paint, 50 HP.	$8,500
JD 4020 side console, 1972, PS	$8,400
JD 2840 diesel, 2100 hrs., original	$8,300
JD 2520 diesel WF, overhauled	$7,800
JD 4020, WF, PS, trans, nice	$7,700
JD 4020, SR trans, WF, 1967 model	$7,500
JD 3103 same as 2840 late model	$7,400
Case 1845 dsl. unloader clean	$7,300
JD 4020, PS trans, WF, original tractor.	$7,200
JD 3020 diesel WF, SR trans, sharp	$6,800
JD 5020 diesel, overhauled, 135 hp	$6,500
JD 2030 diesel overhauled and painted	$6,400
JD 2130 Ind PTO, original cond., 65 HP	$6,300
JD 125 dsl. skid loader, 2100 hrs.	$6,200
JD 4010 dsl, WF, good rubber	$6,000
JD 830 3 cyl. dsl. 2200 org. hrs.	$5,800
JD 2510, WF, new tires, diesel	$5,400
JD 2010, gas, nice, low hrs., original	$3,400
JD 730 dsl., elect. start WF, fair cond.	$3,000
JD 145 ldr. w/valve like new	$2,500
Cozy cab f/JD 2840 w/heater, nice	$1,200
Complete M&W Turbo kit off JD 4020	$800
JD yellow roof & roll bar f/4020	$600
Roll over protected cab for JD 4020	$500

Zimmerman Elevators, Hay Tedders
Wagon Gears & Forage Wagons
Farmco Metal Feeder Wagons, Bale Bodies & Country Boy Gravity Bins
JD Front & Rear Weights

Reiff Farm Service
275 Goodhart Road, Shippensburg, PA 17257
Interstate 81 Exit 10
717-532-8601 Can Finance



JD 2040
With 145 Loader
Good Condition
$8,500.00
717-733-9290

Buy or sell farm equipment 1-800-876-FARM

Ag Telexchange matches buyers with sellers quickly and easily by phone.
TO BUY - Call to find out who is selling the equipment you need. No charge to the buyer
TO SELL - Call to list equipment for 90 days $30 each for first 2 items, $25 each for 3 or 4 items, additional items are $10 each. Subscription rates for dealers

Ag Telexchange

SAVE $ $ $

Harvester Knives
1-800-WEAVER D
Weaver Distributing RD #2 Box 470
Fredericksburg, PA 17026

SMITH FARM EQUIPMENT
30 Acker Rd.
Newport, Pa.
Perry County
717-567-3562

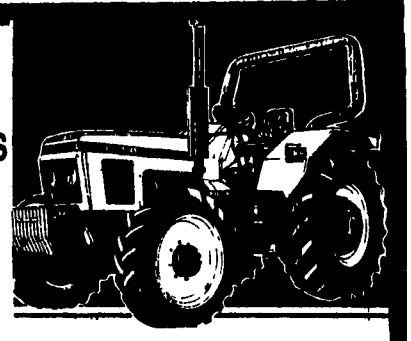
Gleaner M2 Combine, 13' grain head

USED EQUIPMENT

NH 555 Skid Loader
NI 323 picker
Oliver 1755D WFE cab 3 pt.
Oliver 1650 Gas NFE w/ Roll Bar
IH 966 w/cab
IH 560 Gas
656D Hydro
MF 180 Dsl.
154 Cub Lowboy w/60" mower
300 Gas w/loader
(New) JD 148 Loader
NH 27 Blower
Flo-Eze wagon
NH 273 Baler and Thrower
56 Hustler Silage Blower
Steel Hay Wagons
Demco 300 Gal. Sprayer
Oliver 1650 D w/Cab
NI 324 Picker

ZETOR

FARM TRACTORS
52 HP to 162 HP



YOU CAN'T BUY A BETTER TRACTOR
YOU CAN'T FIND A BETTER BARGAIN
24 Month Warranty On Power Train

See Our Tractors At The Pennsylvania Farm Show In Harrisburg January 11-16th

Come and try our tractors.
Call for further information.

ANDERSON TRACTOR SALES
Full Service Zetor Dealer
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Interest Free Financing On All Used Tractors Till March 1, 1992
(See Dealer For Details)

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JD 4050, QR, open station
JD 3020, NF, gas, good
JD 3010, WF gas, good
JD 3010, fair
JD 2840, good
JD 750, MFWD, w/Woods mower, good
AC 185 w/cab, good
Yanmar 155 w/blade
Farmall A, good
IH BN w/attachments
IH 3600 Backhoe/Loader, good

Loaders

JD 245, good
JD 265, good

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Interest Free Financing On All Used Combines Till June 1, 1992
(Ask for Details)

JD 6600 LL
JD 6600 Side Hill w/platform
JD 4400, good
JD 215 flex platforms
JD 653 bean head
JD 15' quick tach rigid
NI 324 2R picker/sheller

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JD 8300, 24x6, like new
(2) JD 8350, good

JD 370 manure spreader, used

Interest Free Financing On All New Combines Till April 1, 1992
New JD 9400 combine
New JD 9500 combine
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AC 5040 $3,500
IH 424, Nice $3,500
JD B w/Fenders & 3 Pt. $1,200 As Is
JD 40 $2,400
JD 1010 Gas w/1 R Cultivator $1500 As Is
IH 574 gas, $5,500
JD M $1,500
JD 4630 $14,000
JD 2240 $8,500

EQUIPMENT

JD 494A & 1240 4R planters $500/Ea.
IH 4 Blade New ground plow, pull type $1,000
JD 158 loader w/4N1 bucket $4,000
JD 4 prong, 3 pt. sub soiler
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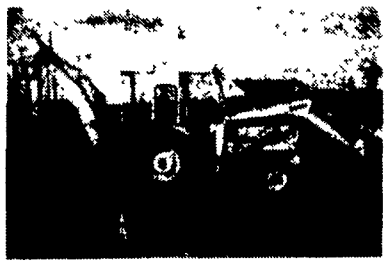
JD 450 Crawler Loader $7,000

JD 555 Rebuilt Trans, $13,000

CAT 931B 4 In 1 $11,000



Ford 4400 Diesel, Rebuilt Motor $5,500

Cat 951 B new pins & bushings, new roller shells $11,500
Cat 931B 4-In-1, $11,000
JD 450 Crawler loader, $7,000
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1983 JD 555A Crawler loader, rebuilt motor, like new u/c $15,000
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Case 1845 Skid Loader, Good Condition, $7,000
Case 580B extend-a-hoe, nice original machine $8,700

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New 716 Forage Box
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Used 272 Baler w/SS
Used 315 Baler w/ Thrower
Used 477 Haybine

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New Bolens H174 Dsl.
Used Case 611 B Tractor

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JD 348
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JD 616
JD 717
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JD 4320 w/Cab & Air
JD 2940
JD 2630
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JD 3960 w/3RN
JD 7000 6RN, Corn Planter
White 5100 Planter, 6RN
JD 1209 Mo-Co
NH 489 Haybine
NH 499 Haybine
Vicon KM321
JD 24T w/#2 Ejector
Bobcat 753
Bobcat 743
Bobcat 643
Case 1835C
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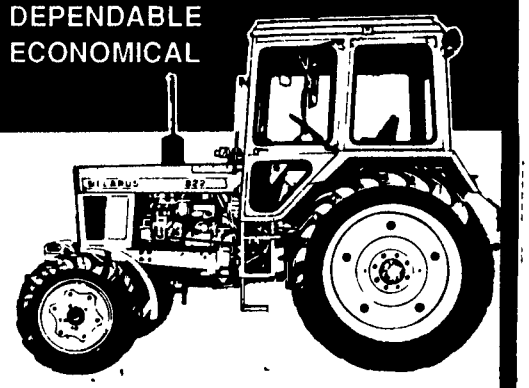

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JD 2950, 4WD, 38" rubber
JD 2950 very sharp
JD 2950, 4x4
JD 2750, excellent conditon
JD 2550 w/roll guard
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JD 4630, cab & air, power shift
JD 4430, cab & air, quad range
JD 4430, cab & air, power shift
JD 4230, 4 post, power shift
JD 4230, cab & air, power shift
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JD 4020, side console
JD 4000, power shift
JD 3020, side console
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Ford 9700, cab & air
Deutz DX140, cab & air, 4WD
AC 200
AC 185
IH 1566, cab & air
IH 1066, red cab, radial tires
IH 1066, cab & air $9,000
IH 560 gas
IH 584 utility
White 2-85
White 2-105, cab & air
White 2-135, 4x4, 1980 model
Oliver 2255 w/cab, 4WD
Oliver 1855 w/cab
Oliver 1850 diesel w/3 spd.
MF 180 diesel
MF 1135, cab & air, excellent condition
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Case 450 w/6 way blade
Bobcat 825 diesel
Bobcat 743
Miller 10' offset disc
Brillion 6 Row Cultivator
NI 325 narrow row, 12 roll bed picker
JD 7000 corn planter, 6 row, no-till
Axle mount duals for IH 38"
Roll guard for 2950 ..... $650
Turbo charger for a 4030
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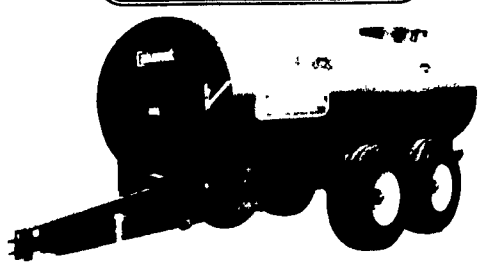

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Case 2290, Cab, Power Shift, Low Hours
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Case 1818 Uniloader
Case 1830 Uniloader
Case 530CK Loader Backhoe, Diesel
Case 580 B Loader Backhoe Diesel, ROPS
Case 580K Backhoe, Cab, Extendahoe
Ford 420 Tractor Loader, Industrial, Cab, 3PT
Gehl 4500 Skid Steer, Hydrostatic

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JD F325 4 Bot. Plow
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New Holland 276 Baler w/Thrower
New Idea 243 Spreader, 250 Bushel
New Idea 323 One Row Corn Picker
New Idea 279 Cutditioner, 9'
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New Holland 1495 Self Propelled Haybine, Ford Diesel, 12'
New Idea 3816 Slurry Spreader, 1600 Gal., Rental Unit - Reduced
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- Case 1816 Skid Loader
- Case 1830 Loader
- NH B134, Backhoe Fits 700 Series Skid Loaders
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- NH L555 Skid Loader, 800 Hrs., Good Cond.
- Mustang 1700 Skid Loader

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- NH 425 Baler, Wire Tie
- NH 849 Round Baler
- NH 848 Round Baler
- NH 851 Round Baler
- NH 855 Round Baler
- NH 258 Rake, Hyd. Drive
- NH 258 Rake, Like New
- NH 1495 Haybine
- NH 489 Haybine
- NH 469 Haybine - For Parts
- NH 479 Haybine
- NH 411 Discbine
- NH 442 Discmower
- NH 452 Discmower
- NH 2100 S.P. Forage Harvester Metal Detector, Cab, 4WD, Good Cond.
- NH 1499 Haybine, 12 Ft. Head
- Badger Forage Box, 3 Beater, Tandem Axle
- Dion Forage Box, 12 Ton Gear
- NH 892 Harvester, 824 2 Row Head Or 3 Row Head
- NH 8 Forage Box, 3 Beaters, Roof, Tandem Axle

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- AC 3100 Disk
- MF Rollover 3 Bottom Plow
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- Bush Hog 10 Shank Chisel Plow
- Gehl Flail Chopper
- Pittsburgh 12 Ft. Disc Harrow
- Brillion 11 Ft. Packer
- Brillion 13 Ft. Packer w/End Transport
- JD 8300 Drill, Double Disc w/ Grass Seed
- IH 720 5 Bottom Plow

SPREADERS
- NH 513 Spreader
- NH 791 Spreader
- Lely Vacuum Tank Spreader w/ Injectors, Hauled Less Than 10 Loads
- NI Side Delivery Slurry Spreader
- NH 790 Spreader w/Top Beater, Pan, Exc. Cond.
- Starline Flail Tank Spreader

MISC.
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- JD 400 Grinder/Mixer
- JD Drill
- Kidd 3 Pt. Hitch Paper & Bale Shredder
- Gehl 1540 Blower
- Woods C80 Mower

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7140, 4WD, 195 Horsepower
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5.9% Financing
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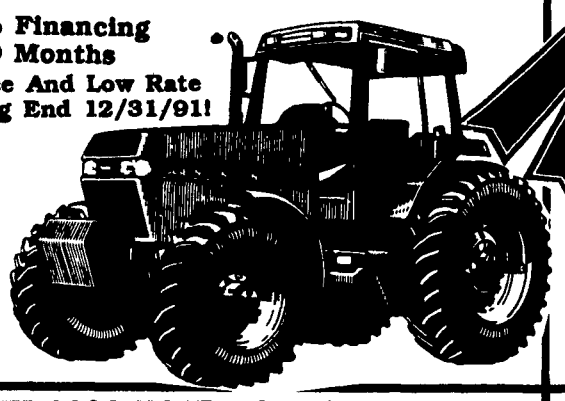

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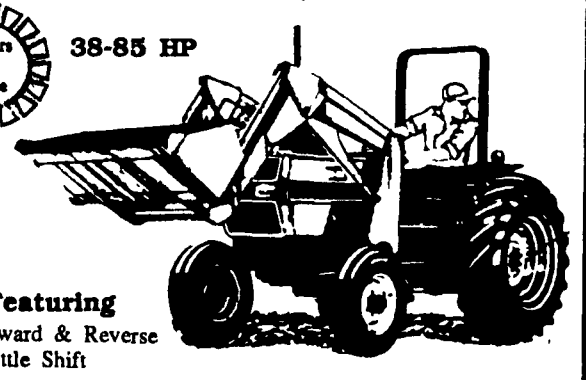
38-85 HP



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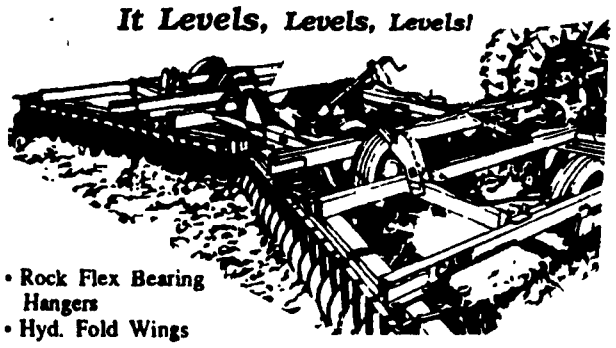
It Levels, Levels, Levels!



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Big Capacity — Low Price!

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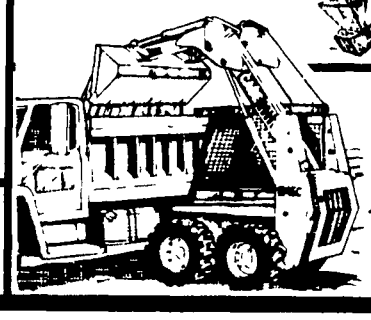

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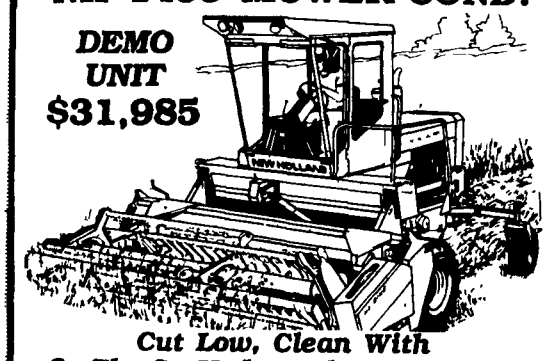

Cut Low, Clean With On-The-Go Hyd. Angle Cutter Bar!

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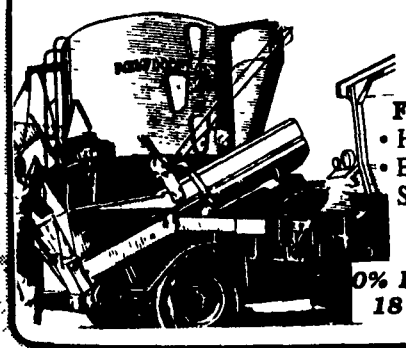
NH 358 GRINDER MIXER



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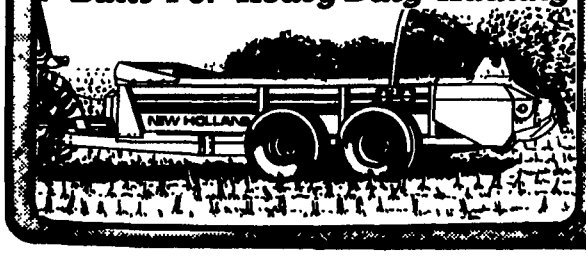
NH 680 SPREADER
w/Hyd. Gate, Splash Guard, Top Beater
Built For Heavy-Duty Hauling



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• NH L455 Skid Loader w/66" Bucket	$16,850	$12,356
• NH L783 Skid Loader, 56 HP, 12x16.5 Tires, 70" Bucket	$24,900	$17,395
• NH 358 Grinder Mixer, Hyd. Drive, Scales, 10' Auger, Screen	$16,300	$10,950
• NH 442 Disc Mower, Hyd. Lift, Demo	$ 4,570	$ 2,850
• NH 452 Disc Mower, Hyd. Lift, Demo	$ 5,260	$ 3,485
• NH 848 Rd. Baler, Bale Command, Twine, Demo	$15,478	$ 8,950
• NH 630 Rd. Baler	SOLD	
	$12,300	$ 8,560
• NH 855 Rd. Baler, Net Wrap	$20,500	$12,985
• NH 853 Rd. Baler, Twine, Bale Command	$17,500	$11,375
• NH D1000 Baler	SOLD	
	$52,898	$31,985
• NH 411 Discbine, Hyd. Swing Tongue, Hyd. Header, Tilt	$17,500	$10,995
• NH 472 Haybine, 7 Ft.	$10,300	$ 6,950
• NH 488 Haybine, 9 Ft.	$10,800	$ 7,385
• NH 489 Haybine, 9 Ft., Demo		$ 6,985
• NH 155 Manure Spreader, 10x20 Tires, 220 Bu.	$ 5,609	$ 4,350
• NH 305 Spreader w/Pan, Imp. Tires, 1230 Gal.	$ 8,460	$ 6,350
• NH 329 Spreader, Hyd. End Gate, Splash Guard		$ 3,650
• NH 680 Spreader, Tandem Axle, 290 Bu., Imp. Tires	$ 7,635	$ 5,485
• NH 565 Baler, Wagon Loading Chute	$11,426	$ 7,850
• NH 570 Baler, Flotation Tires	$12,885	$ 8,950
• NH 575 Baler, Hydroformatic, Flotation Tires	$15,800	$10,685
• NH 492 Haybine	$12,880	$ 8,395
• NH 144 Windrow Inverter, Dual Wheel, Demo	$ 4,569	$ 3,250
• NH 254 Rake & Tedder	$ 4,685	$ 3,395
• NH 216 Unitized Rake, Hyd., 27 Ft., Gauge Wheels	$17,989	$12,985
• NH 256 Rake, Traction Tires, Hitch & Jack	$ 3,850	$ 2,485
• NH 260 Rake, Traction Tires, Hitch & Jack	$ 4,895	$ 2,985
• NH 28 Blower, 540 PTO	$ 4,585	$ 3,265
• NH 40 Blower, 1000 PTO	$ 4,900	$ 3,498
• NH 824 2 Row 30" Corn Head	$ 5,385	$ 3,585
• NH 790 Harvester, Metal Detector, 12 Knives, Elec. Contr.	$18,580	$10,485
• NH 900 Harvester, Metal Detector, 12 Knives, Elec. Contr.	$21,500	$14,985

ONE ONLY SALE — ENDS 12/31/91

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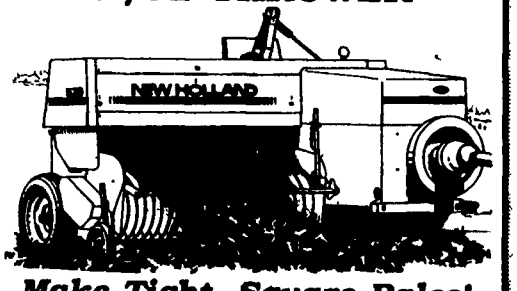

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0% Financing/12 Months

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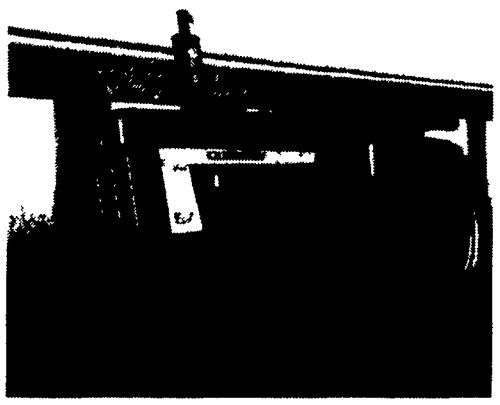
103 South Carlisle St.
Greencastle, PA 17225
(717) 597-2151

Farmall 1066 C&A; 856 C&A; 684 WF; 674 WF; 574 WF; 424 WF; 235 w/ mower; JD 3020; 2630; 2240; 750 WF; AC 160 WF; D17 WF; 4 row potato planter; JD 400 grinder mixer; Shaver post driver; Kelly loader; IHC 2000 loader; Cab for Int. tractor; 5 to 12 ft. roto mower plow; disc harrows; elevator; wagon; post hole digger; IHC front & rear weights.

(717) 597-2151



IH 1466
Dual PTO, Original Paint
$5,800
717/532-8926

J & L hay-saver feeds 20 cattle.
New, improved, round hay-bale feeder feeds large or small hay bales along with square bales. It proves to save hay. This feeder is built of heavy 1¼" pipe and ¼" steel for ring. Available with ¼" steel or treated ¾" plywood floors. This 1,200 lb. feeder is built to last.

Call for more information.
J & L Equipment
St. Thomas, PA
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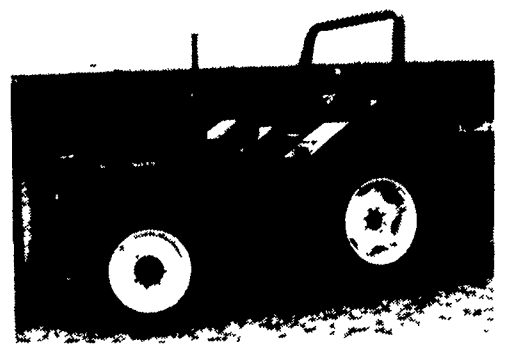


ZETOR 5245
4x4, 45 HP, 400 Hr.,
Like New
$5,500
410-833-9091

NEW IDEA | Messick | WE

USED EQUIPMENT
NH 495 Haybine
(2) NH 489 Haybine
A 6R 30" Head for AC Combine
JD 27 Flail
JD 7000 12R Corn Planter
Hesston 4600 Baler w/ Thrower
Hesston PT10 Windrower
MF Model 52 Disc
White 80 4WD Tractor
White 288 Tractor w/Cab, Sharp!
White 8900 Combines
Farmall M Tractor
Westfield 8x51 Auger
Ford 118 Plow
IH 986 Tractor w/Cab
White 5100 6R Planter Liquid
White 5100 4R, Liquid
MF 22 Bale Thrower
Woods 84" Rotary Cutter, 3 Pt.
Vicon 2400 Lb. Fertilizer Spreader

STANLEY'S FARM SERVICE
RD Box 46
Klingerstown, PA
717-648-2088

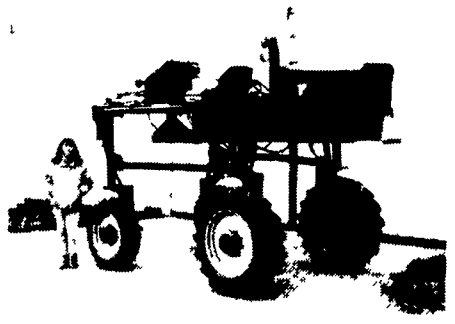
Badger | John Deere | WOODS

USED EQUIPMENT
TRACTORS
JD 1010 utility
JD 4240 w/4 posts
JD 650, 4 WD, w/loader, 200 hrs.
JD 2510 w/loader
JD 420 tricycle
IH 706 diesel
IH 706 gas
IH Cub Loboy w/sickle mower
IH 504 w/loader (sharp)
IH 240 utility
IH 340 w/loader
Ford 550 loader/backhoe
MF 40 Ind. w/loader

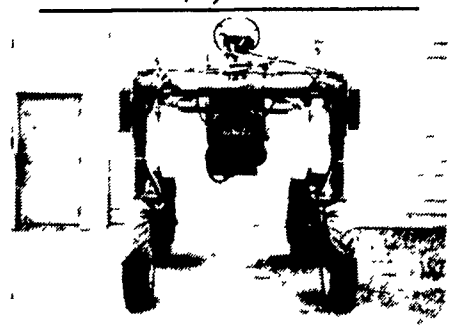
MISC EQUIPMENT
JD 148 loader to fit 2940
JD 158 loader to fit 4230
IH 60, 13' shredder (sharp)
JD 346 baler w/thrower
JD 1250, 3-bot. plow
IH 710 4 bot. plow
JD 1010, 3 pt. field cultivator 17'
JD 1000 pull-type cultivator 17'
NH 683 tank spreader
Little Giant gravity box (nice)

SPECIAL JD 4455 4WD Demo

Pikeville Equip. Inc.
R.D. #2, Oley, PA
Phone (215) 987-6277



Hagie 470 Hi-Tractor
4 Wheel Drive, All Hydrostatic,
6' Row Clearance
$3,500



Hagie 437 Hi-Tractor VG4D
Wisconsin Engine
3 Speed Chain Drive
$1,200
Plain View Farms
Worton, MD
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WHITE FARM EQUIPMENT | NEW IDEA

NEW EQUIPMENT

WHITE-
598 5/6 Bot. Plow
American Series 60, 4WD, Green
Workhorse 125 Tractor w/Cab
No. 445 Conservation Chisel Plow

NEW IDEA-
3622 Spreader
3626 Spreader
3632 Spreader
3639 Spreader
406 Hydraulic Rake

BRILLION-
Deep-Til Implement
14 Ft. Spring Tooth Harrow
12 Ft. Pulverizer
CPP 7' Chisel Plow

GEHL-
HT 242 Tedder
FB 1540 Blower
FB 1560 Blower
FB 1580 Blower
MC 2170 Mower Cond.
BU 970 Forage Boxes, 16 Ft. & 18 Ft.
MS 312 Spreader
MS 315 Spreader
MS 322 Spreader
RR 262 Rotary Rake
F 7190 Feeder Wagon
F 7285 Mixer Feeder Wagon
SL 3510 Gas Skid Loader
SL 4610 Diesel Skid Loader

USED EQUIPMENT

NI 243 Spreader
Grove Forage Box 14 Ft. w/Roof
Grimm Hay Tedder, Ground Drive
Bobcat 643 Diesel Skid Loader
Gehl 4300 Gas Skid Loader
Gehl 95 Grinder Mixer
Gehl FB99 Blower
Gehl 1200 For. Harvester, 2-Row Hd. & Hay Pickup
NH 258 Hay Rake
Oliver 374 Cultivator
Int. 1456 Tractor w/Duals
Int. 3-Bot. Rollover Plow

FREE YOURSELF FROM SPREADER CHAINS AND SAVE MONEY

The proven Hydra-Spread design can free you from the grief and maintenance of spreader apron chains for good!

This low maintenance spreader features **solid** poly boards both on the sides and the floor for slippery, no-stick performance. Hydraulic push power replaces the extensive mechanism needed in ordinary spreaders.'

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Corry, PA
Ray Wiggers
814/664-2661

Frederick, MD
Doody's Mechanical Service
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Sandy Lake, PA
Sandy Lake Implement
412/376-2489

Dealer Rep: Scott Douglas 518/529-7326

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IH 3388
IH 666
Ford 5000, gas $3,000
Ford 7000
Case DC
MF 30 w/Loader

1990 Case IH 7110 Magnum Tractor, 2WD, 925 Hours

Coming In...
Case IH 7110, MFD w/320 Hrs. w/4 Year Warranty

USED EQUIPMENT

Brillion 12' 8 cultimulcher, like new Price Reduced $5,000

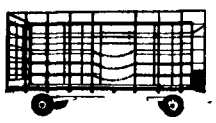
USED EQUIPMENT
IH 963 corn head
Dunham Lehr 12' cultimulcher, nice
Ford model 142, 4 btm. plow w/auto reset
JD 4 btm. rollover plow
Wetmore grinder mixer, 130 bu.
IH 435 baler w/thrower
Woods model C80 rotary mower
IH 720 6 btm. plow w/on land hitch
IH 710 5 btm. plow w/hillside hitch

Badger 2600 Harvester w/2 row corn head w/2 row snapper head w/5' hay pickup $3,500

Eckroth Bros. Farm Equipment
RD 2 Box 24A, New Ringgold, PA 17960
717-943-2131
7:30-5:30 Mon.-Fri. 7:30-4:00 Sat.

case IH

Rack Wagons



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Available With Head Locks and Dolly Wheels

16', 21' or 27' Long

Head Locks and Slant Bar Sections Available -

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Happy Holidays from Fahnestock Farm Service

Oliver 66 WF, 3 pt., very nice ... $2,500
Ford 8N ... $1,650
Oliver 550 gas, good rubber, needs steering work ... $2,000
Oliver 440, 3 Point ... $2,500
JD 620 3-Point ... $3,250
JD 530, Flat Top Fenders, 3PT. $3,500
JD Square WF For 2 Cyl. Tractors ... $1,000

Selling Parts Off Of The Following JD Tractors:

A, B, G, GM, H, 70, 620, 820, 430, 3010, 4010, 4020, **ALSO ENGINE PARTS:** 2030, 2840, 4430, etc.

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Myerstown, PA 17067
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Older wheel and crawler tractor parts, all makes and models, 100's of tractors parted. UPS daily.
Visa/MC accepted.
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TRACTORS: Int. 5088; 1466 Cab; 1066; 1066 Cab; 1456; 986; 966 1600 Hrs; 966 Cab; 856 Cab; 806 Cab; 786; 784 w/ Loader; 766; 756; 684; 674; 584; 300 w/ loader; 200; M; JD 4010; 3020; New 950 4WD; B. AC XT190; Case 1070 Cab; NEW Honda 5518 4WD w/ Mower Deck; JD 350 Dozer; Toyota Forklift; JD 310A Backhoe Loader.
COMBINES: JD 6600; (2) 4400; 3300; (2) MF 510; Int. 205.
BALERS: NH 855; (2) 851; 850; 849; 847. NI 484.
SQUARE BALERS: NH 315; 310; 282; 273 All w/Throwers.
PLOWS: 2 to 5 bottom, grain drills 13 to 22 hoe, planters & discs.

Call
Leader's Farm Equipment
Everett, PA
814-652-2809
Happy Holidays

J.L. HOLLINGER & SONS, INC.

Rt. 72 North, Manheim, PA
717-664-2444 or 717-665-2354

New & Used Farm & Construction Equipment

CRAWLERS

JD 450B Crawler Loader, ROPS 4N1 bucket, very nice ... $9,000
MF 200 Crawler Dozer, 6 way angle, ROPS, w/ripper runs & operates excel. ... $8,500
'78 JD 450C Crawler Loader, ROPS, Very Nice ... $13,500
Int. TD7C 6 way crawler dozer, nice ... $7,500
'79 Case, 850B Loader, GP, Excel U/C ... $15,750
'78 JD 450C Loader w/Backhoe, Excel. Cond. ... $15,900
'78 Cat 941B Crawler Loader w/4N1 Bucket ... $12,000
'67 Case 855D Loader, 1000 Hrs. ... $25,000
'85 Case 1455B Loader w/Ripper ... $25,000
'81 Case 1450B Dozer, O/S Power Angle Blade ... $19,500

LOADERS

Ford A-62 4x4 Articulated Wheel Loader, Full Cab, Excel. Cond. GP Bucket, new motot ... $15,000
Case W14, 4WD, Articulated loader w/cab ... $9,700
IH Huff 500 Wheel Loader, Needs Trans. Work ... $2,500

SKID LOADERS

Bobcat 722, 4 Cyl., Gas, very good ... $4,750

BACKHOES

'79 Case 480C, TLB, Shuttle, diesel engine, standard hoe, ROPS, runs & operates very good ... $6,500
JD 300 TLB, Full cab, standard hoe, very nice $6,900
'79 JD 310A, TLB, ROPS, Nice ... $9,800
'77 Ford 420 TLB, open rops, very nice ... $7,500
'77 Ford 335 TLB, Cab, Diesel ... $7,800

TRUCK & TRAILERS

Int. Tandem Axle Dump Truck, Alum. Body, Runs & Operates Excellent ... $6,500
'89 10 Ton Shelby, Elec. Brakes, Nice ... $6,500
(2) Beck Skid Loader Trailers, 2 Axle ... $2,150/Ea.

MISC.

Wisconsin Power Unit ... $3,000
Case 70+4 Trencher w/Backhoe, Diesel, Nice .. $4,500
Gradeall G-600 w/Remote, D-D Diesel Up and Down ... $6,250

Merry Christmas And Happy New Year

★★★★★ COMBINES ★★★★★

Waiver of Interest Till Sept. 1, 1992
Or 6.9% For 48 Months

★★★★★★★★★★★★★★★★★★

1990 JD 9600, 458 Engine Hrs., 323 Separator Hrs., Power Rear, 922 Flex Cutter Bar, JD 843 Corn Head
1990 JD 9500, 267 Sep. Hrs., Power Rear, 920 Flex Cutter Bar, JD 643 Corn Head
1975 JD 4400, Diesel, 1,923 Hrs. w/13' Cutter Bar
1979 JD 7720, 2WD
1982 JD 7720 w/4WD, 3,300 Hrs. w/JD 220 Flex Cutter Bar w/JD 643 Corn Head
JD 220 Flex Cutter Bar
JD 222 Flex Cutter Bar
JD 444 Corn Head, Hi-Tin
JD 643 Corn Head
JD 843 Corn Head

MISCELLANEOUS

JD 1008 Offset Rotary Mower
JD 336 Baler
Brillion 13' 8 Cultimulcher
JD 1550 Power Till Seeder
JD 265 Loader
Dunham 16' Crowfoot Packer
Brillion 18' Gang Crowfoot Packer
Brillion 13'8 Roller Harrow
Brillion 25' Folding Packer
JD F145 5 Btm. Semi Plow
JD 1450 6-16 Semi Plow
JD 7000 8 Row 30 Corn Planter
JD 534 Dozer Blade
1991 JD 6000, Hi Cycle w/47' Booms, 2,100 Miles
1991 JD 6000 Hi Cycle w/60' Booms, 985 Miles

TRACTORS

1990 JD 4455, Cab, MFWD, 18.4x42 Singles, 1,760 Hrs.
1979 JD 8640, 2,600 Hrs., 3 Pt. & PTO, Dual 20.8x38 Tires
1980 JD 1050
1972 JD 4320
1965 JD 4020

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Chestertown, MD
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Ag-Industrial Equip. Co.

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10% Off Parts And Labor
Free Hauling Within A 40 Mi. Radius
Dec. 1, 1991 Thru March 30, 1992

TRACTORS
Ford 901 Gas
Kubota L4150 w/900 Ldr.
AC 190
Ford 5600 w/Cab
(2) Ford 2110's
Case 1194 w/Cab

MISCELLANEOUS
DMI Plow Chisel
Bushog Post Hole Digger
Brillion Pulverizer, 12'
McKee 6 Row Cultivator
Pasture Renovater
IH 1150 Grinder Mixer

FORAGE EQUIPMENT
(2) NH 1495 Rolareel Heads
Int. 830 w/Corn Head & WPU
NH 30 Blower
NH 40 Blower
Gehl 1200 Harvester w/3RN & WPU
Gehl 1580 Blower
NH #8 Wagon
NH 890 WPU
Field Queen Side Dump Wagon
(2) Field Queen 7600 SP Harvester w/3RN & WPU

SPREADERS
IH 575
NH S676
NH 308
NH 307

MOWER CONDITIONERS
NH 1495 SP Haybine w/Head
NH 495 12' Haybine
NH 411 Discbine, Exc.
MF 925 Mower Conditioner
(3) NH 489 Haybine
NH 499, Hyd. Tongue, Exc.
NH 488 Haybine
NH 479 Haybine
NH 469 Haybine
JD 1326 Disc Mower Conditioner

LOADERS
NH 783 Skid
Cat 955 Crawler Loader
Ford 3500
Ford 555A, TLB
NH 785 Skid Loader
NH 785 Skid w/Backhoe
NH L775
JD 644B w/3 Yd. Bucket
Ford 555B TLB
JCB 1400 B, TLB
(2) Dunham 22
NH L[SOLD]Fork

BALERS
NH 272
NH 273 w/Engine
NH 316 Baler w/75 Thrower
NH 310 w/TJD Eng.
NH 315
Thrower 75
NH 276 w/Thrower
(1) NH 269
NH S68
NH 271 Baler
JD 347 w/Kicker
JD 336 w/Engine
(2) NH 310
NH 270
NH 851, Auto Wrap Baler
MF 124 w/Thrower
NH 276 w/Motor
(3) NH 320 w/70 Thrower
NH 852 Rd. Baler
NH 326 w/¾ Ton Chute

LAWN & GARDEN
Ford 1920
Simplicity 5216H
AC BC 112
Howard Pro 72 w/Mower
JD C 111
Kubota B-7100 w/Mid Mower
Kubota F2000 w/RC60F24 & Grass Catcher

RAKES
NH Super 55
(2) NH Inverter
NH 260
NH 216 Double Rake
Vicon Hay Rake
Deutz Fahr Rake KS 85

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Ed Greenleaf, Al Miller, Irv Muentner
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Vermeer Tow-behind Forklift, 6' Forks, Good For Round Bales $900
Must Sell, Make Offer

20,000 Lbs. Tow Motor, Detroit Diesel
$8,900

JUST IN
30,000 Lb. Taylor
Dual Pneumatic,
Detroit Diesel, Auto,
Very Good Condition
$18,500

8,000 lbs. Hyster, 1984, gas, see thru mast w/side shift, 2700 hrs., excel. cond. $13,500

3 Wheel Rubber Tire Loader With Forks & Bucket, Old But Runs Good
$2,900

FORKLIFTS

3,000 Lb. Electric Stand Up, 3 Stage, S/S, 1984 With Under 1,000 Hours, Like New Cond., With Charger ... $5,000
4,000 Lb. A/C Solid Tire, Atuo, LPG, Good Condition ... $1,500
6,000 Lb. Hyster Pneumatic, LPG, Side Shift, Very Good Condition ... $4,750
4,000 Lb. Cat Pneumatic, Side Shift, Smokes, Needs Little Work ... $1,800
12,000 Lb. Tow Motor, Dual Pneumatic, Detroit Diesel, Side Shift, Runs Good ... $4,500
Forks 25,000 Lb. Cap. ... $750/Pair
3,000 Lb. Electric Walk Behind ... $2,500
3,000-6,000 Lb. Cap, Electric Sit Down Rider Trucks ... CALL
4,000 Lb. Clark Solid Tire, Runs ... $400
15,000 Lb. Taylor Dual Pneumatic, LPG, Very Good Condition ... $8,500
5,000 Lb. Cat, 1981 Pneumatic LPG, Excel. Cond. ... $6,800
5,000 Lb. Hyster Pneumatic, Gas, Good Condition ... $3,650
4,000 Lb. AC, Pneumatic, Gas New Tires ... $2,500

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30 Forklifts In Yard At This Time
Mechanic Specials $500 to $1500

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* For Approved Credit!

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December 28, 1991

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The Price Of Every Piece Of Trade-In Equipment Is Slashed Daily During The First 10 Days Of This Sale!

YOU BID THE DAILY PRICE, YOU BUY AND YOU SAVE BIG!

This Is The Complete List Of Equipment Being Offered:

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NH 90 Balestack (2474) PA
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BR 14' Chisel (T6483) PA
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AT 14' Chsl Plow (4516) DE
BR 14' Chsl Plow (3621) DE
FO 13 Shnk Chsl Plow (T5573) PA
GL 9 Shank Chsl Plow (T6587) PA
HI 12' Chsl Plow (4660) DE
JD 1600 Chsl Plow (4497) DE
JD 1600 Chsl Plow (4715) DE
KR 2321 Chsl Plow (4510) DE
AC N6 Combine (4184) DE
AC M2 Combine (U6265) PA
CI 1660 Combine (U6566) PA
CI 1680 Combine (4397) DE
CI 1680 Combine (U6438) PA
CI 1660 Combine (U6136) PA
CI 1680 Combine (3071) DE
CI 1680 Combine (U6420) PA
IH 1460 Combine (4117) DE
IH 1460 Combine (U6444) PA
IH 1460 Combine (U6454) PA
IH 715 Combine (3085) PA
IH 1460 Combine (U6238) PA
IH 915 Combine (U5690) PA
IH 1460 Combine (U5745) PA
IH 1480 Combine (U6439) PA
IH 1460 Combine (U6219) PA
JD 7720 Combine (4089) DE
JD 4400 Combine (U6545) PA
JD 6620 Combine (3685) DE
JD 6600 Combine (3372) DE
JD 7700 Combine (4476) DE
JD 6620 Combine (4583) DE
MD 760 Combine (2701) DE
MF 850 Combine (U6470) PA
MF 550 Combine (U5733) PA
MF 750 Combine (2577) DE
MF 750 Combine (2989) DE

NH TR-70 Combine (4661) DE
NI 325 Compicker/SI (U5670) PA
BR 21' Cultimulcher (T6584) PA
BR 12' Cultimulcher (T6551) PA
MK 8R Cultivator (3748) DE
CI 475 Disc (T6519) PA
FD 230 Disc (2121) DE
IH 490 Disc (T6069) PA
IH 490 Disc (2259) DE
IH 470 Disc (3708) DE
IH 490 Disc (3284) DE
IH 37 Disc (10455) DE
IH 496 Disc (2234) DE
IH 12' Disc (T6004) PA
IH 490 Disc (4533) DE
IH 770 Disc (T6459) PA
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JD 230 Disc (2906) DE
JD 14' Disc (3208) DE
JD 235 Disc (T4978) PA
JD 210 Disc (T6064) PA
JD 220 Disc (T6563) PA
JD 235 Disc (T5846) PA
JD 220 Disc (T6079) PA
KR 2440 Disc (T5127) DE
KR 1428 Disc (T6343) PA
KR 1925 Disc (T6497) PA
KR 1966 Disc (2826) DE
KR 1966 Disc (4519) DE
KR 1425 Disc (T4973) PA
KR 2416 Disc (4029) DE
KR 2416 Disc (T6495) PA
KR 2440 Disc (T6170) PA
KR 1577 Disc (T6583) PA
KR 2413 Disc (T5858) PA
KR 2426 Disc (T6131) PA
MI 28' Disc (T6160) PA
OL 253 Disc (T4968) PA
SF 1330-20' Disc (3273) DE
SF 20' Disc (3157) DE
CI 5100 Drill (4655) DE
GP CPH12' Drill (V5376) PA

GP 14' Drill (V5953) PA
HB 107 Drill (V6430) PA
IH 510 Drill (4538) DE
IH 6200 Drill (3766) DE
IH 5100-20x6 Drill (V6493) PA
IH 6200 Drill (3767) DE
JD 8300 Drill (4498) DE
JD FB100 Drill (4628) DE
KR 5213 Drill (V6135) PA
LI 9690 Drill (4607) DE
LI 9680 Drill (4608) DE
UFT 6 Ton Fert. Sprdr (V6134) DE
BD 18' Field Cult. (3597) DE
BR 22' Field Cult. (T5193) PA
BR 19' Field Cult. (4638) DE
BR 21' Field Cult. (3561) DE
GL 18' Field Cult. (4018) DE
IH 45 Field Cult. (4081) DE
IH 25' Field Cult. (4017) DE
IH 22' Field Cult. (4120) DE
IH 12.5' Field Cult. (T6520) PA
KR 4138 Field Cutl. (T5936) PA
KR 4126 Field Cult. (T6215) PA
MC 32' Field Cult. (3156) DE
WR 30' Field Cult. (T6517) PA
JD 724 Field Fnshr (T5882) PA
BH 3450QT Loader (3693) DE
BH 15' Mow Rear (3775) DE
JD 15' Mower (U6035) PA
JD 1508 Mower (U5715) PA
WO 20' Mower (U5935) PA
JD 1209 Mower-Cond. (4075) DE
12' Packer (T6458) PA
BR 25' CF Packer (3785) DE
JD 12' Packer (4429) DE
BM Planter (V6062) DE
CI 900 Planter (2302) DE
IH 800 Planter (V6220) PA
JD 7000 Planter (V6119) PA
JD 7000 Planter (V4976) DE
JD 7000 Planter (3405) DE
NI 9000 Planter (V5863) PA
IH 710 Plow (2944) DE

IH 700 Plow (4360) DE
IH 710 Plow (T5785) PA
IH 165 Plow (3809) DE
JD 1350/1450 Plow (4515) DE
JD 2500 Plow (T6320) PA
OL 568 Plow (3764) DE
WR 10X18 Plow (2840) DE
IH 35 Rake (U6072) PA
IH 35 Rake (U6197) PA
WE Rock Pick (4266) DE
JD 400 Rotary Hoe (T6038) PA
KU Saddle Tanks (V6034) PA
ZM 260GL Saddle Tanks (V5845) PA
IH 50 Shredder (1156) DE
CI 1840 Skid Steer (4124) DE
CI 1835C Skid Steer (2801) DE
FMC Sprayer (V5959) PA
FM DM10E100F Sprayer (9322) DE
JB A7000 Sprayer (4665) DE
JB 500 Gal. Sprayer (3428) DE
CI 14 Subsoiler (4522) DE
KRG Tank (3402) DE
AC D17 Tractor (2938) DE
AC 6080 Tractor (W6054) PA
CA W14 Tractor (W5981) PA
CA 2590 Tractor (1964) DE
CA 1896MFD Tractor (4674) DE
CI 7130MFD Tractor (W6200) PA
CI 7130MFD Tractor (W6292) PA
CI 7120MFD Tractor (W6428) PA
CI 4890 Tractor (3929) DE
CI 9130 Tractor (W6085) DE
CI 7120MFD Tractor (W6216) DE
CI 7110MFD Tractor (3967) DE
CI 7130MFD Tractor (3294) DE
CI 7120-2WD Tractor (W6274) PA
IH M Tractor (4657) DE
IH 5488 Tractor (4495) DE
IH 5088 Tractor (W5649) PA
IH 3588 Tractor (3905) DE
IH 186 Tractor (W6244) PA
IH 3588 Tractor (4359) DE

IH 986 Tractor (4720) DE
IH 450 Tractor (4658) DE
IH 886 Tractor (3232) PA
IH 4586 Tractor (4505) DE
IH 584 Tractor (W6427) PA
IH 544 Tractor (4554) DE
IH 706 Tractor (W6299) PA
IH M Tractor (4277) DE
IH 1466 Tractor (4080) DE
IH 500C Tractor (W4885) PA
IH 1486 Tractor (3702) DE
IH 966 Tractor (W4945) PA
IH 1586 Tractor (3926) DE
IH 3588 Tractor (3563) DE
IH 5088 Tractor (W6033) PA
IH 544 Tractor (W6235) PA
IH 3514 Tractor (W4936) PA
IH 884 Tractor (W6391) PA
IH 485 Tractor (3845) DE
IH 5488 Tractor (W6435) PA
IH 1566 Tractor (W6579) PA
IH Fmall M Tractor (W6089) PA
JD 8630 Tractor (W6109) PA
JD 1020 Tractor (4225) DE
JD 4430 Tractor (4613) DE
JD 4440 Tractor (2884) DE
JD 4320 Tractor (4585) DE
JD 3020 Tractor (3699) DE
JD 2630 Tractor (4614) DE
JD 8560 Tractor (W6113) DE
JD 4230 Tractor (4672) DE
JD 2440 Tractor (W5490) PA
JD 2020 Tractor (4306) DE
JD 7020 Tractor (2907) DE
JD 8640 Tractor (4331) DE
MF 2135 Tractor (3928) DE
MF 1155 Tractor (3531) DE
MF 1085 Tractor (4719) DE
ST ST210 Tractor (3904) DE
ST ST251 Tractor (W6155) PA
ST Panther Tractor (2149) DE
ST Panther Tractor (4654) DE
HE 6610D Windrower (U6055) PA

NEW

CI D100 Backhoe (9340) DE
CI D100XR Backhoe (7723) DE
CI 8610 Bale Processr (F5382) PA
CI 8520 Baler (F5707) PA
CI 8520 Baler (F5697) PA
CI 8520 Baler (F5709) PA
CI 8420 Baler (F5658) PA
CI 8530 Baler (2935) DE
CI 8440 Baler (F5381) PA
CI 8420 Baler Rnd (2936) DE
FA 18' Balewagon (S5236) DE
KR 2889 Chisel (P5472) DE
KR 4517A Chisel (P5582) DE
CI 183 Cultivator (D5500) PA
CI 475-18'7" Disc (2807) DE

CI 496-19' Disc (1692) DE
CI 475-13'10" Disc (3288) DE
CI 496-22' Disc (2910) DE
CI 475-11'6" Disc (2808) DE
CI 496-22' Disc (1602) DE
KR 4960 Disc (P5457) DE
CI 5300-18x7 Drill (E5688) PA
CI 5300-24x6 Drill (E5278) PA
CI 5300-24x6 Drill (E5276) DE
GP 10' Drill (R5432) PA
KR 5213N Drill (N4421) PA
KR 5213N Drill (N4391) PA
KR 4120 Field Cult (P4534) DE
KR 4226 Field Cult (P5024) PA
CI 365 Field Cult (3169) DE

CI 510 Loader (B4905) PA
CI 2250 Loader (9393) DE
CI 2250 Loader (B4759) PA
CI 2250 Loader (1586) DE
CI 2250 Loader (B4763) PA
CI 2250 Loader (1585) DE
CI 510 Loader (1777) DE
CI 2250 Loader (1584) DE
CI 2255 Loader (1278) DE
CI 510 Loader (2493) DE
CI 2255 Loader (B4767) PA
CI 2250 Loader (B4761) PA
CI 2255 Loader (B4769) PA
CI 510 Loader (B5030) PA
KO K6 Loader (R2023) PA
RH SE15 Mower (S5405) PA

RH SE15 Mower (S5404) PA
KA Mule (R4742) PA
BR 34'N Packer (1700) DE
BR 25'N Packer (1870) DE
BR 19' Packer (R5348) PA
BR 34'N Packer (1699) DE
BR 23'N Packer (1695) DE
CI 900-8RN Planter (E4970) PA
CI 145 Plow (2324) DE
CI 145 Plow (2325) DE
CI 145 Plow (2323) DE
CI 165 Plow (9887) DE
SCH RS320 Rockpicker (R5442) PA
HO Saddletanks (Q3427) PA
CI 1825D Skid Steer (10334) DE
CI 1825D Skid Steer (2929) DE

CI 1825G Skid Steer (2903) DE
CI 80 Snow Blower (H4866) PA
CI 80 Snow Blower (H4867) PA
FMC DP20/3PT/10 Sprayer (1268) DE
FMC DM20E300F Sprayer (Q5717) PA
CI 14 Subsoiler (1711) DE
CI 14 Subsoiler (2809) DE
CI 8511 Thrower (2544) DE
CI 395MFD Tractor (2817) DE
CI 5130MFD Tractor (A5546) PA
CI 595 Tractor (3171) DE
CI 7130MFD Tractor (3092) DE
CI 7120 Tractor (3175) DE
CI 7110-2WD Tractor (A5835) PA
CI 7110-2WD Tractor (A5361) PA

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Ford 1520, 4WD
Ford 1720, 4WD
Ford 1720, 2WD
Ford 1920, 4WD
Ford 3430 Shuttle
Ford 6610, 4WD
Ford 7810, 4WD
Ford 555C, TLB, 4WD w/Extend-a-hoe
Ford 451 Sickle Mower

FORD LAWN & GARDEN

LT10 w/38" Deck
LT12 w/38" Deck
YT18 w/48" Deck
LGT14D w/48" Deck

NH EQUIP.

(3) NH 785 Skid Ldr.
NH 499 Haybine
NH 570 Baler w/Thrower
NH 630 Baler
NH 853 Baler
NH 848 Round Baler w/Net Wrap
NH 790 Hay Head
NH 254 Tedder Rake
NH 790 Chopper
NH 28 Forage Blower
NH 818 Forage Box
NH 814 Running Gear
NH 680 Manure Spdr.
NH 185 Manure Spdr.
NH 195 Manure Spdr.

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NH 144 Windrow Inverter $2,900.00
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SPECIAL
JD 2955
Cab Tractor
Demo

TRACTORS

Ford 3000 ..... $ 5,500
JD 4450 SG, Cab $39,900
JD 2510 Dsl., PS ..... $ 6,500
IH Super M ..... $ 1,800
JD 2840 w/Ldr. $12,900
JD 2630 Reconditioned $11,900

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JD 670 w/Mower & Loader ..... Coming In
JD 1050 w/Ldr. 500 Hrs. $12,900
JD 855 w/Loader ..... $ 9,500
Ford 1720 MFWD, 56 Hrs., w/Ldr. And Backhoe $17,700
Ford 1510 ..... $ 6,600
Ford 1500 w/Mower ..... $ 5,000

COMBINES

JD 6620 Side Hill $33,000
JD 215 Flex Head ..... $ 4,900
JD 653A Row Crop Head ..... $ 7,900
JD 444 Corn Head ..... $ 4,400
JD 443 Corn Head ..... $ 4,500
JD 244 Head ..... $ 2,800
IH 715 w/Grain Head ..... $ 9,000

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JD 7000 6R Liquid ..... $ 6,900
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JD FBB ..... $ 1,300

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JD 260 Loader ..... $ 3,900

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JD 1209 Mo/Co ..... $ 2,900
Grimm Super 8' Tedder ..... $ 1,295
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NH 718 w/Heads ..... $ 1,800

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New Combines In Stock:
4435, 9400, 9500, 9600
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913 Flex Head
915 Flex Head
918 Flex Head
920 Flex Head
443 Corn Head
643 Corn Head

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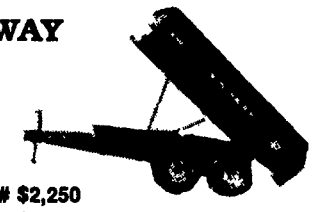

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UTILITY WITH GATE - SIZES: 12'x76", 14'x76", 16'x76" 18'x81", 7,000# GVW, 20'x81" 12,000# GVW

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International Farm Equipment

- 1 & 2 Bottom Plows
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- Blades 5'-8'
- Box Blades 4'-8'
- Stone Rakes 5'-8'
- Post Hole Diggers
- 1 Row Cultivators
- Dirt Scoops
- Boom Poles
- Rear Carriers
- Chipper-Mulcher
- Fertilizer Spreaders
- Concrete Mixers
- Field Cultivators
- Potato Plows
- Hay Rakes & Tedders
- Rotary Mowers 3'-11'
- 4'-7½' Finish Mowers
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NH 256 Rake
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NI 290 Mower Conditioner

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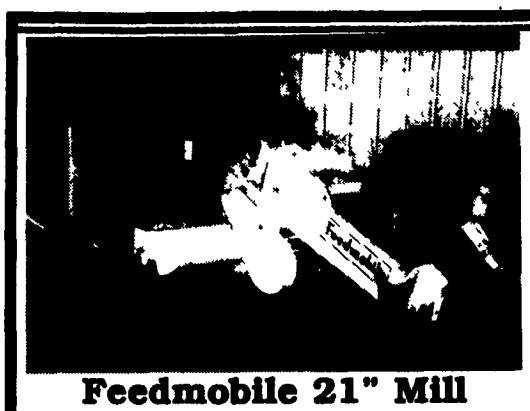

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Ford 601 Gas, PS, w/Loader, Reconditioned
Ford 7700 4x4 w/Cab
Ford 8N w/Snow Plow
JD 2020 Dsl., PS, Hyd. Outlet
JD 850, 500 Hrs., 2WD, Ag Tires
IH 300 Utility Gas w/Fast Hitch
AC G w/Cultivator

USED EQUIPMENT

NH 357 Grinder Mixer w/Long Auger
NH 352 Grinder Mixer w/Corn Sheller
Wagner Loader for 8N
Kelly 3PT Backhoe, #30 (New)

Detroit Diesel Power Units

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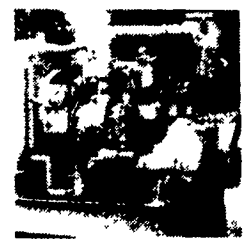
Rebuilt & Used



50-500 HP - 53-71-92-8.2 Series

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- 371 - 90 HP, Used $1,200
- 353 - 90 HP Core Eng. $1,200
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- 471 - 125 HP Rebuilt Powerunit $4,250
- 271 - 60 HP Powerunit $3,800
- 671 - Take Out Eng. $1,200
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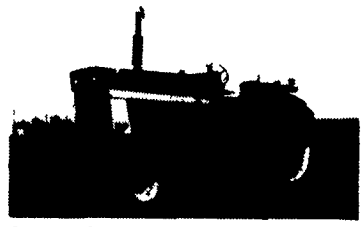
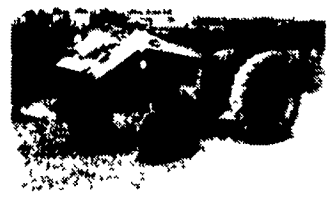
WOODS

1976 International 986 Cab/Air 18.4x38 540/1000 PTO's.

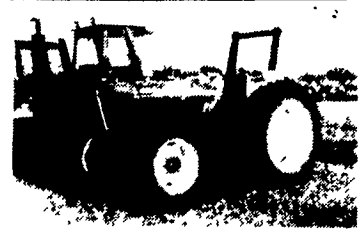
Woodsman 3 Pt. Wood Saw, New & Used.



International 100 Hydro 18.4x38's Dual Remotes. Call For More Information.



Massey Ferguson 65 Gas With Kelley Loader, 1 Remote, 12.4x38's.



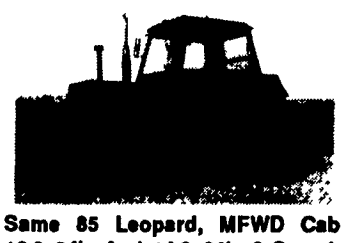
1980 Ford 5600, 4WD, New 16.9x38's, Dual Power.

John Deere 850-1985, 4WD 75 Loader, Canopy, Power Steering. Get Ready For Snow!

International 1000 Loader, Fits Farmall Cub, Super A, 140.

International 530 Manure Spreader 148 Cubic Feet Capacity.

1984 International 884 MFWD 2250 Mount-O-Matic Loader Cab/Air, Nice Clean Tractor.
Price $17,500



Same 85 Leopard, MFWD Cab 16.9x34's And 14.9x24's 8 Speed, Dual Remotes.

FARM TRACTORS

Case 4490- 1982, Cab, 4WD, 3 Pt., PTO
IH 884 Cab/Air, MFWD, 2250 Loader
JD 2440 w/146 Loader, Low Hrs.
IH 1086- 1980 Cab/Air, 18.4x38's
IH 1086 1977 Cab/Air
White 4-150- 1975, 4WD, Cab, 3 Pt., PTO
IH 986- 1976 Cab/Air, 18.4x38's
Same 85 4WD, Cab
AC 7040- 1977, Cab, 20.8x38's
White 2-105- 1976, Dual Remotes
Ford 5600- MFWD
IH 100 Hydro, 18.4x38's
JD 850- 4WD, #75 Loader
IH 826 Cab, 16.9x34's, Fast Hitch
JD 4010 Diesel, Wide Front
Ford 6600 Hi-Crop, 15.5x38's
Ford 1510 Diesel, 4WD, 3 Pt., PTO
IH 2424 Gas, 3 Pt., PTO- Nice
Yanmar 155D w/3 Pt. Tools
Oliver 1855, 18.4x34's, Dual Remotes
Ford 861 w/Loader
MF 20C, Gas, Loader
JD 420- 2 Cylinder, Wide Front
MF 65 Gas w/Loader
MM Jet Star 2 w/Ldr.
IH 560 Diesel Standard, Belt Pulley
Farmall Super C w/Cultivators
IH Cub Lo-Boy w/FH Attachments
IH Cub Lo-Boy w/Belly Mower
JD- B, Narrow Front
AC-G w/Cultivators And Cornplanter
Ford 541 Gas, Offset
(4) Case 930 Standard

TILLAGE

JD 2500 6x18" ASR 5X Base Plow
MF 880 6x18" ASR Plow
(2) IH 720- 5x20 ASR Plow
IH 720 5x18" ASR Plow
White 588 5x18" ASR Plow
IH 700 5x16 ASR Plow
White 548 4x16 ASR Plow
MF 4x16" ASR Plow
IH 642 4x16" Rollover Plow 3X- Base
JD 5x16 Trip Plow
JD 3x16 Semi Mount
IH 710 3x16 Trip Plow- Semi Mount
JD 3x16" 3 Pt. Plow
Ford 3x12 3 Pt. Plow
IH 3X Fast Hitch Plow
Oliver 2X Rollover Plow
Ford, IH 2X Plows
Cub 1X Plow
IH 8' Offset Disc
JD 8' Offset Disc
JD 9 Offset Disc
Bush Hog 8' Offset Disc
Wilbeck 11' Offset Disc
(2) Miller 12' Offset Disc- 3 Bar
MF 12' Offset Disc
(2) White 271- 18' Wing Fold Rock Flex Disc
Rhino F-90- 20' Wing Fold Rock Flex
Kewanee 12' Rock Flex Disc
IH 500 Cutting Disc- 12'
Oliver 12' Disc
IH 37 10' Disc
Oliver 10' Disc
MF 8'- 3 Pt. Disc
IH 5'- 1 Pt. FH Disc
IH 55- 13' Chisel Plow Pull Type
Brillion 10' Or 12' Chisel Plow- Pull
JD 1600- 10' Chisel Plow Pull Type
Brillion 7' 3 Pt. Chisel Plow
JD- RM 4x36 Cultivator
(3) JD- RM 6 S-Tine Cultivator
Super A Cultivators
Cub Cultivators
AC D15 Front Mt. Cult.
JD 530 Front Mt. Cult.
JD MT Front Mt. Cult.
IH 560 Front Mt. Cult.
White 285- 16' Field Cult. Pull Type
IH 12½' Field Cult.- Fast Hitch
IH 15' Field Cult.- Pull Type
JD 4 Sec. Rotary Hoe
IH 14' Rotary Hoe Fast Hitch
Kewanee 3 Pt. Rotary Hoe
Dunham 16' Cultipacker
Brillion 14' Cultipacker w/Transport
Bearcat 14' Cultipacker w/Transport
Brillion 12' Cultipacker
Brillion 10' Cultipacker
Brillion 10' Cultimulcher
JD 930- 3 Pt. 12' Cultimulcher
IH 315- 12' Cultimulcher
Brillion 12'6" Cultimulcher
Dunham 13' Cultimulcher
Brillion 13'6" Cultimulcher
IH 315- 14' Cultimulcher
Brillion 15' Cultimulcher
Lindsay 7x20 V-Ripper

MISC. EQUIPMENT

Brillion 8' Packer Seeder
AgTech 686 Preseeder
(2) Brillion 6' Packer Seeder- 3 Pt.
Manure Forks And Loader Buckets
Cabs- JD 4020, IH 1066, JD 4230 4 Post, IH 826, MF 1105, JD 4320
Cub Snow Blades And Super A Loader For Farmall Cub Or 140
Kubota 1720 Loader
Sauder Loader
NI 325 2R Cornpicker
18.4x38 Duals- 20.8x38 Duals
JD 653 Bean Head
JD 343 Corn Head
JD 213 Flex Head
JD 216 Flex Head
Woods 144-12' Stalk Chopper
200 Gal. Pull Type Sprayer
Rhino 15' Wing Fold Rotary Mower
(3) Woods HD 315 Batwing Mower
Woods 6' 3 Pt. Rotary Mower
Woods L59 Belly Mower For Cub
Woods S260 Ditch Bank Mower
New- Woods L306 & L59 Belly Mowers
New- Woods 121- 10' Rotary Mower
JD FB-B 13x7 SD Drill w/Grass
IH 510 13x7 DD Drill w/Grass
IH 10 16x7 DD Drill w/Grass
JD 8300 23x7 SD Drill
New- King Kutter 4', 5', 6' Mowers
New- Long Rototillers 55", 63", 71"
New- Woodsman 250 Woodsaw- 3 Pt.
New- Westfield 6"x16' Auger
NI 32' Elevator
MF 2X Cornplanter
IH 530 Manure Spreader
Gravity Wagon
Shaver HD8 And HD10 Post Driver
Danuser Post Hole Digger
Many Silage & Snapper Heads
(2) 8' Land Rollers
Spike Harrows
Baltic 3 Pt. Spin Spreader
Worksaver 3 Pt. Cement Mixer
Steel Bale Wagons On Gear 18'x8'
6 Ton Running Gear
JD 467 Baler
JD 336 Baler
NH 489 Haybine
NH 256 Hay Rake
NH 56 Hay Rake
Gehl 880 Mower Conditioner
NH 451 Sickle Mower
(2) JD 350- 3 Pt. Sickle Mower
Oliver 351- 3 Pt. Sickle Mower
Grain-O-Vator Feed Wagon
JD 1240 Plateless Planter
JD 7' Hay Pickup Head
2X Tag A Long Trailer- 24,000 GVW

56th ANNIVERSARY

SALE

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Open House Fri., Jan. 24, 1992

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Who makes the most practical tractors?

Last year, more value-minded farmers picked Massey-Ferguson than any other make.

In fact, one of every five tractors now sold in the Western World is an M-F. Which makes Massey-Ferguson the Western World's largest tractor manufacturer.

One of the big reasons for this popularity is the great value of the 50-90 PTO hp line of M-F 300 Series tractors.

They all give you the torque, economy and reliability of world-famous Perkins diesel engines and all the advantages of advanced Ferguson system hydraulics. Plus you get the practical features you want, like hydrostatic steering as standard equipment.

Massey-Ferguson engineers put a lot of time and effort into designing these tractors to save more of your time and effort. They're incredibly easy to operate and maintain. And they have one of the best reliability records of any tractor ever made.

We'd like to show you why an M-F 300 Series tractor can be the best value for your hard-earned investment.

Practical choices.

MODEL	M-F 360	M-F 375	M-F 383	M-E 390	M-F 390T	M-F 398	M-F 399
HP*	50	60	73	70	80	80	95

*Manufacturer's rated PTO horsepower
All models available with 2 or 4 wheel drive. Some can be equipped for Wide Row Crop or Low Profile applications.

TRACTORS

MF 4840, 4 WD, 210 HP	$26,000
MF 2745, 143 HP	$12,000
MF 1155, 140 HP	$8,500
MF 399 4WD, 90 HP	$24,000
MF 285, 82 HP	$8,500
MF 1085, 82 HP	$8,000
MF 275, 67 HP	$9,500
MF 165, 52 HP	$4,500
MF 40, With Loader	$4,700
MF 1030 2WD, 26 HP	$6,700
MF 1030 4WD, 26 HP	$8,000
MF 1035 2WD, 31 HP	$7,600
MF 1045 2WD, 35 HP	$8,650
Oliver 1655 With Loader	$7,500
Oliver 1550, 53 HP	$4,500
Oliver 55	$2,700
Oliver 77	$1,200
Oliver 70	$1,000
IH 664	$4,900
Farmall 806 With Cab	$6,900
Farmall 656 Gas	$2,700
Farmall 460 Gas	$2,500
Ford 3000 Gas	$3,100

HAY EQUIPMENT

Vicon KM281 Disc Mower Conditioner	$2,900
NH 1495 SP Diesel Haybine	$7,900
NH 411 Discbine	$3,900
NH 411 Discbine	$4,500
Vicon CM 216 Disc Mower	$2,900
MF Forage Blower	$1,500
J Bar 3 Pt. 4 Wheel Rake	$475
Brady 7 Ft. Flail Stalk Chopper	$2,500
Grimm Hay Tedder	$1,500
MF Demo 224 Hay Baler	$7,000
MF Demo 228 Baler with Thrower	$11,000
Brady 12 Ft. Flail Stalk Chopper	$2,900

PLOWS & TILLAGE

New 14 Ft. Cultipacker	$1,875
Yetter 15 Ft. Rotary Hoe	$2,400
5 Ft. 3 Pt. Rototiller	$1,500
New 12 Ft. Transport Disc	$2,500
MF 7 Tooth Coulter Chisel Plow	$4,200
MF 880 4-16 Auto Reset Plow	$1,500
Glenco 7 Tooth Soil Saver	$5,900

MISC. EQUIPMENT

York 100 HP Scraper Blade	$1,275
York 75 HP Scraper Blade	$1,075
Meyer 8 Ft. Front Tractor Mounted Blade	$1,250
Ber Vac 73" Snow Blower	$1,750
Dunham 30 Loader	$2,800
8 Ft. x 24 Ft. Flat Bed Wagon	$980
New 14 Ft. Belt Elevator	$1,175
Danuser 3 Pt. Post Driver	$975

MASSEY-FERGUSON

M.M. WEAVER & SONS, INC.

Leola, PA 17540 Phone: (717) 656-2321

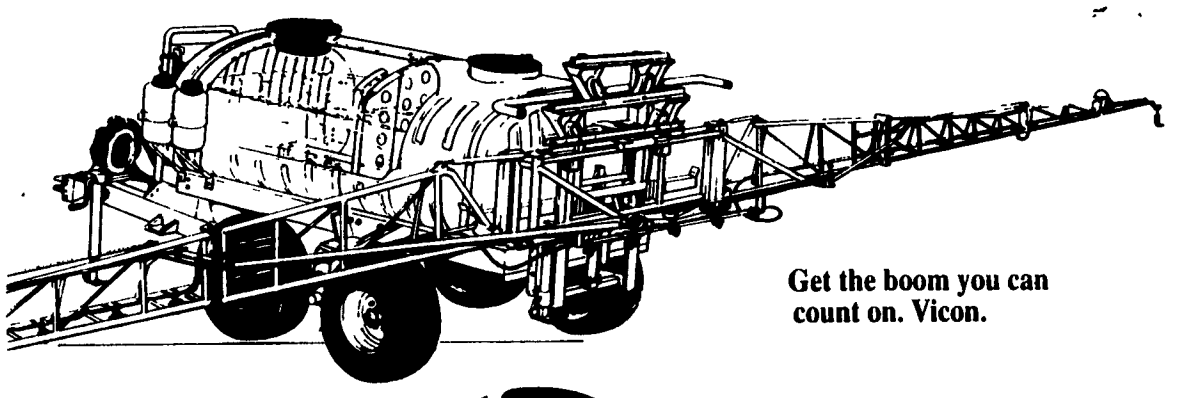
Located 4 miles West of New Holland on Rt. 23, 1½ miles Northeast of Leola on the No. Groffdale Rd. 1 mile on the right, opposite Groffdale Mennonite Church

M.M. WEAVER & SONS, INC.

56th ANNIVERSARY SALE DAYS

January 2nd thru January 31, 1992

OPEN HOUSE on Friday, January 24, 1992



Get the boom you can count on. Vicon.

Vicon

Performance you can afford to take home

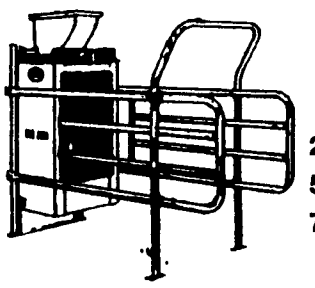
The price is right at **$7,900**

LS1910T - 500 Gallon, Centrifugal Pump, 52' Hydr. Fold Boom, Electric Controls

NEW Vicon SPECIALS:

3 - CM 216 7' Disc Mowers	$3,900 Ea.
1 - H1050 9 Wheel Rake	$2,900 Demo
1 - KM321 10½ ' Disc Mower-Conditioner	$9,900 1 Only
1 - RP1211E 4x4 Round Baler w/Electronic Controls	$7,900
1 - RP1511E 5x6 Round Baler	$10,800
3 - RS510T 17' Tedder	$2,900
2 - RS 740T 24' Tedder	$4,900
1 - FC 2500 17' Field Cultivator	$9,500

VA 500 COMPUTER DAIRY FEEDER!



Cows ration is fed automatically according to her individual lactation curve

25 Cow System	$1,900
50 Cow System	$2,900
75 Cow System	$3,900

+ Installation

Check the differences

...you'll see why **Better-Bilt**

V-Box Spreaders are the *better buy!*

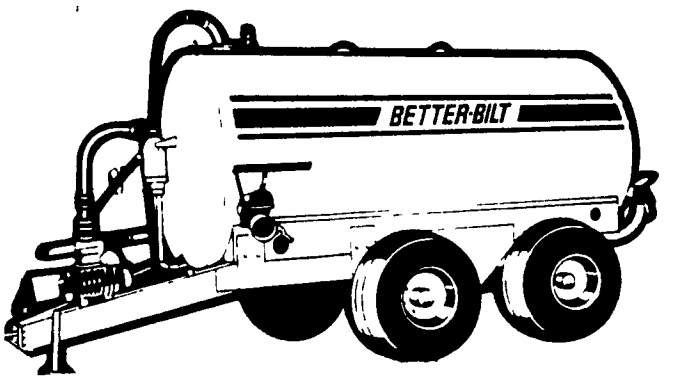
- Rear discharge keeps materials far away from tractor and operators.
- Inertia paddle spreader spreads wider, faster, more evenly.
- Hydraulic gate provides positive control of flow.
- 16" dual augers are fitted to bottom for complete emptying of load.
- Slower auger speed requires less horsepower, saves fuel.
- Simple, yet rugged design eliminates trouble and wear.
- Slip clutch protects drive components without shear pins.
- Sizes to 450 bu.
- It's Better-Bilt!

Check with us on the more affordable V-Box with a difference—from Better-Bilt.

SPREADS UP TO 70' WIDE!

BETTER-BILT

YOU WANT DEPENDABILITY



Better-Bilt vacuum tanks...

PB-10 pump	200 CFM	Skids	Full length
Rear hatch	20"	Sizes (std.)	1500 and 2500
Intake, outlet valves	Brass		3500 and 4500 gal

Other sizes and pumps available. * Pro-rated after 3 years. ** Excluding vanes

You want BETTER-BILT!

No one, but no one, builds a better vacuum tank than Better-Bilt. Quality ¼ " steel, formed in our own plant. Precision manufacture by skilled craftsmen. That's why we can put a 10 year warranty* on tanks and a 5-year warranty on undercarriage and pumps.** That's why pork farmers like yourself prefer them!

FEEDING & MANURE EQUIPMENT

Betterbilt 2100 Gal. Vac Tank Speader	$4,500
SFM 1100 Gal. Slinger Spreader	$4,900
SFM 1700 Gal. Slinger Spreader	$6,900
NI 321 Spreader	$700
Gehl 533 3300 Gal. Slurry Spreader	$6,900
Schwartz Feeder Wagon	$750
Oswalt - Butler TMR Transport Mixer	$1,500

MASSEY-FERGUSON

M.M. WEAVER & SONS, INC.

Leola, PA 17540 Phone: (717) 656-2321

Located 4 miles West of New Holland on Rt 23 1 miles Northeast of Leola on the No Groffdale Rd 1 mile on the right opposite Groffdale Mennonite Church

56th ANNIVERSARY SALES DAYS

■ PARTS ■ NEW EQUIPMENT ■ GOOD USED EQUIPMENT

January 2 thru January 31, 1992

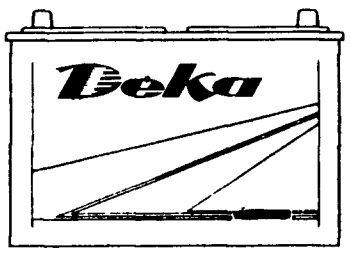
Mon. thru Fri. 7 A.M. to 5 P.M.; Sat. 7 A.M. to 12 Noon

All Items Subject To Availability

WINTER SALE ITEMS

Powerpart Batteries

Check Your Battery Needs Here And Save!



BATTERIES & ACCESSORIES- 20% SAVINGS

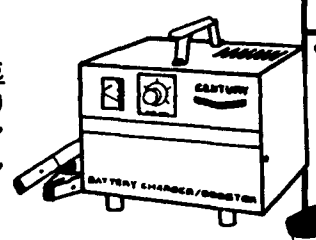
- 624MF.....List $62.87 .....SALE **$50.30**
- 724MF.....List $81.54 .....SALE **$65.23**
- 627 MF .....List $76.18 .....SALE **$61.42**
- 1231 PMF... List $99.64.. **SALE $79.71**

Batteries for all your farm needs, up to a 72 month warranty!

All Other Batteries In Stock — 20% OFF LIST

BATTERY CHARGERS

	List	SALE
• 15/2...PS906	$105.05	**$89.29**
• 6/2...PS901	$ 31.61	**$26.87**
• 30/2...PS907	$142.79	**$121.37**



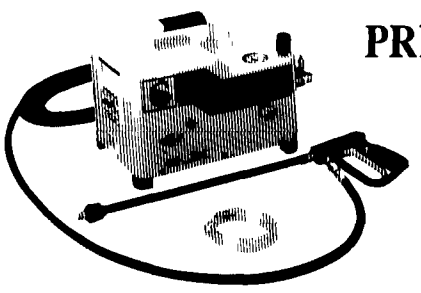
Features: Product Info/Charging Tips/ Warranty/Retail Tips

STARTING ETHER

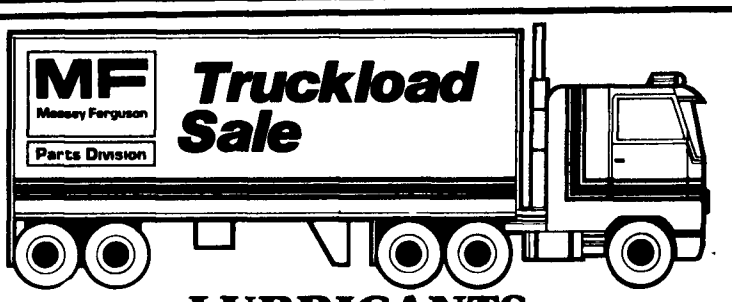
- Starts stubborn engines in seconds
- Prolongs Battery Life
- Sprays to 65° below zero

- HOT SHOT, 11 Fl. Oz..... SALE $1.10 Ea.
- Case Lot...99¢ Each ..... SALE **$11.88**

CAM SPRAY PRESSURE WASHER



- PS 5184 Nitro 1000 - List $499.95 **$383.00**
- PS 5151 1000 GED - List $599.95 **$480.00**
- PS 5204 1200 GED - List $649.95 **$610.00**



LUBRICANTS

Selling Hydraulic Fluid Right Off The Trailer!

Offering The Lowest Prices....

UNIVERSAL HYDRAULIC FLUID

PERMATRAN III

Universal extreme pressure transmission & hydraulic fluid.

Stock One Oil For All Your Farm Equipment

Permatran III Oil	NEW PRICE	OLD PRICE SALE
• 2½ Gal. 841-743M1 Per III	$16.23	**$12.67**
• 5 Gal. 841-813M1 Per III	$28.65	**$22.36**
• 55 Gal. 841-744M1 Per III	$305.37	**$238.43**

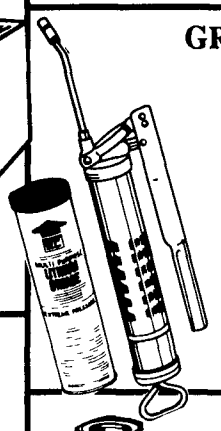
GREASE AND GREASE GUNS

20% to 30% SAVINGS

	NEW PRICE	OLD PRICE SALE
• 1904-778 M91 Pistol Action	$18.75	**$12.11**
• 1902-683 M92 Lever Action	$11.49	**$8.06**

10% to 15% SAVINGS

• 841-618 M1-10 Pkg.	$13.00	**$9.90** Pkg.
• 841-618 M1-50 Pkg.	$65.00	**$48.50**



MF FILTERS

Lube, Fuel, Air, Hydraulic

Don't fall for look-a-likes - use Massey-Ferguson filters for better & longer engine life.

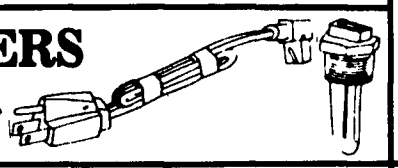
LUBE & FUEL FILTERS

20% OFF All Filters

Case Lots Of 12...ADD'L. 10% OFF

BLOCK HEATERS

20% OFF



Open Ho DOOR PR

PRESS

FIRST PRIZE

- 2nd Prize ..... 10 L
- 3rd Prize ..... 5 Lb
- 4th Prize ..... MM
- 5th Prize ..... Pisto
- 6th Prize ..... Leve
- 7th Prize ..... 10 P
- 8th Prize ..... 5 Lb
- 9th Prize ..... 7.5 F

POWERPART CHEMICALS

Work faster and easier with Powerpart Chemicals. Clean, lubricate, seal and condition with our full line of chemicals. For field, shop and home use.

20% OFF Reg

Full Line Of Quality Compe ive

Frees All Rusted, Froz Or C

POWERPART PAI

Put On A Fresh Look With Our Powerpart Paint Available In Quarts, Gallo And Aerosol Cans.

GRADE 5 HARDWARE

99¢ Per Lb.

Grade 5 Chrome Plated Hardw Available By The Pound Packaged.

ROLLER CHAIN

20% OFF

Ch The Of ain & Of Dome

Examples:

- #40 PS 200102...List $2 05 SALE **$1.64**
- #60-2 PS200111...List $12.48...SALE 98

Dear Valued Customer

Weaver's Annual Discount Days starting Jan. 2nd, 1992 thru Jan. 31, 1992 have the highest season discounts of the year.

Buy NOW and SAVE!

A special note to our Large Buyers: Please submit your large orders of $500 or more Now for a bonus discount of 2% prior to the Open House Day Jan. 24th, 1992, to be processed for pickup.

10% on all other parts not discounted.

MASSEY-FERGUSON

M. M. WE V

LEOLA, PENNA. 17540

PHONE: 717-656-2321

Loc one Roa Chu

LUNCH WILL BE SERVED 11-2

OPEN HOUSE

SPECIAL 1 DAY ONLY - FRIDAY, JANUARY 24, 1992

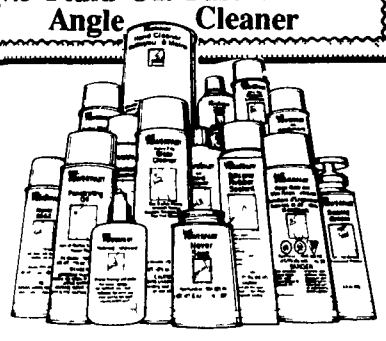
10:00 A.M. Introducing New MF Tractors and Manure & Feeding Equipment
2:00 P.M. Dieter Kreig Showing Pictures Of East and West Germany

★ Representatives from various manufacturers will be on hand to demonstrate products and answer questions
★ Join us during Open House for Fun & Fellowship

pen House OR PRIZES

PRESSURE WASHER
1000 PSI

- 10 Lb. Fire Extinguisher
- 5 Lb. Fire Extinguisher
- MM Weaver Ertl Truck
- Piston Action Grease Gun
- Lever Action Grease Gun
- 10 Pkg. Grease Tube
- 5 Lb. Hand Cleaner
- 7.5 Fluid Oz. Fast Or Angle Cleaner



ART ALS with lean, ition emicals. ne use.

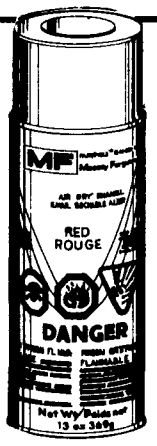
F Regular Price

f Quality Chemicals At mpetive Prices

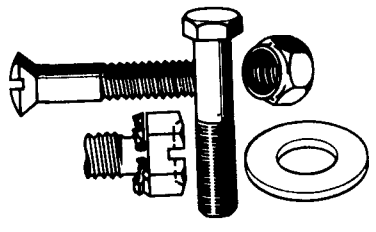
, Froz Or Corroded Lugs & Bolts

PAI ok With it , Gallo

MASSEY FERGUSON PAINT
Increases The Resale Value Of Your Machine With Massey Ferguson Paint!
20% OFF Regular Price

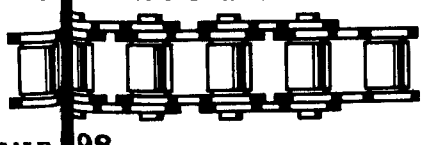


5 RE b. 1 Hardw Pound



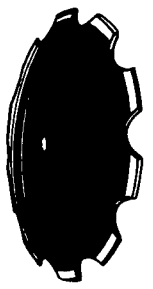
Save! Buy Per Pound Or Piece.

N Ch The Quality, Price & Size Of ain & Links You Need. We Of Domestic Chain.



...SALE 98

Disc Blades



- High concavity for greater draft and more soil action
- Plain and notched styles for various field conditions
- Center hole sizes available to fit non Massey-Ferguson machines

	List	SALE
• 16" P 9-Ga. 1¼ sq. 1¼ sq. PS 41005	$9.42	$8.48
• 18" P 7-Ga. 1¼ sq. 1¼ sq. PS41015	$11.92	$10.73
• 18" N 7-Ga. 1¼ sq. 1¼ sq. PS41016	$11.50	$10.35
• 20" P 7-Ga. 1¼ sq. 1¼ sq. PS41029	$15.15	$13.63
• 20" P 7-Ga. 1 sq.-1¼ sq. PS40029	$15.15	$13.63
• 20" N 6-Ga. 1¼ Sq. 1¼ Sq. PS41034	$17.16	$15.44
• 20" P 6-Ga. 1¼ Sq. 1¼ Sq. PS41033	$19.39	$17.45
• 22" N 7-Ga. 1¼ Sq. 1¼ Sq. PS41042	$16.36	$14.72
• 22" P 6-Ga. 1¼ Sq. 1¼ Rd. PS45045	$22.81	$20.53
• 22" P 6-Ga. 1¼ Sq. 1¼ Sq. PS41045	$22.81	$20.53
• 22" P ¼ -Ga. 1¼ Sq. 1½ Rd. PS45049	$23.59	$21.23
• 22" N ¼ -Ga. 1½ Sq. 1¾ Rd. PS45050	$21.94	$19.75
• 24" N ¼ "-Ga. 1½ Sq. 1¾ Rd. PS46064	$34.22	$30.80
• 22" P 6-Ga. 1½ sq. 1¾ rd. 1904728M1	$25.13	$22.62
• 22" N 6-Ga. 1¼ x1¼ Sq. 1904677M1	$22.81	$20.53

We Have Other Sizes *Check For Your Needs And Prices*

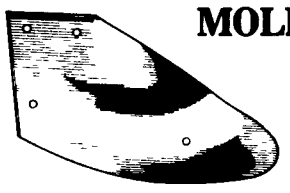
TWISTED CHISEL POINTS

- Heat treated, tumbled & varnished
- ½" thick for longer wear
- Fits 2¼" centers for 7/16" plow bolts

		SALE
DF4995R	3x½ x22 R.H.	$7.25
DE4995L	3x½ x22 L.H.	$7.25

TILLAGE PARTS SALE

MOLDBOARD PLOW PARTS



Direct Shipment From Manufacturer To Us Allows For These LOW PRICES

There Is A Difference: 3 Layers Of Steel For:
• LONGER LIFE • SHOCK RESISTANT • LESS CRACKING

16 INCH 4 BOLT PLOW SHARES

	SALE
• 475-167 M1, Reg. Share Long	$7.34
• 475-715 M1, Heavy Duty Short	$8.20
• 475-716 M1, Heavy Duty Long	$8.52

FITS MOST PLOWS

• 661-869 M1, Trashboard	$9.62
• 1073-594 M1, Shins	$6.66

MOLDBOARDS

• 660-022 M91 14"	$44.88
• 660-206 M91 16"	$46.90

ALL OTHER PLOW SHARES, LANDSLIDES, SHINS AND MOLD BOARDS NOT UNDER DIRECT SHIP PROGRAM ARE 20% LESS

FIRE EXTINGUISHERS

Don't be caught without protection!

Install reliable Massey-Ferguson Fire Extinguishers in your home, the barn, animal pens, on tractors and combines. They're made of Heavy duty carbon steel with non-corrosive parts, inside and out, and operate with positive on-off squeeze grip; feature easy reading waterproof gauges.

20% SAVINGS

- 20-004A91 ..... List $26.31 ..... SALE $21.05
- 20-005A92 ..... List $39.31 ..... SALE $31.45
- 20-006A91 ..... List $61.91 ..... SALE $49.53

10% OFF REGULAR PRICE

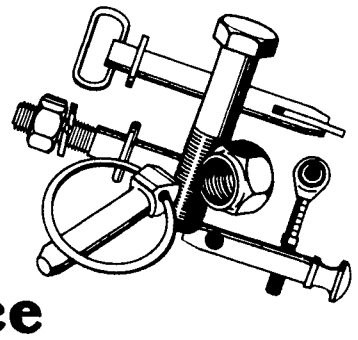
★ Bring Your Own Containers Get Bulk Price

"BUY QUALITY"

QUAKER STATE MOTOR OIL

HITCH PINS

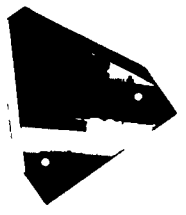
20% OFF Regular Price



CUTTER BAR PARTS

It Takes Two Sharp Edges To Cut Combine Guards!

20% SAVINGS

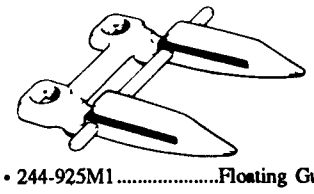


CUTTER BAR PARTS & SECTIONS

Number		List	SALE
• PS112001	1053-209M1 HC	$ .77	$.62
• PS623011	1904-914M2 QC	$1.25	$.99
• PS412132	146-503M2, Rigid	$ .71	$.57

REEL TINES U-11-20% SAVINGS

1052-668M1	Steel Teeth	$1.48	$1.18
2763-064M1	Plastic Teeth	$1.16	$.93



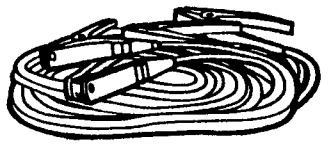
GUARDS
20% to 30% SAVINGS

		List	SALE
• 244-925M1	Floating Guard 9000	$10 67	$8.53
• 30-031E1	NH Haybine	$ 7.20	$5.76
• 30-039E1	Floating Guard	$ 7.20	$5.76
• 228392M1	Rigid	$ 7.22	$5.77

BOOSTER CABLES

BD84XE 12 Ft. 6 Gauge
Sale $19.98

BD86XE 16 Ft. 6 Gauge
Sale $23.98

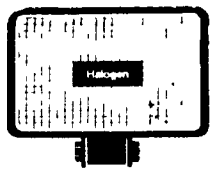


PS 942, 20' List $42.99 **SALE $34.39**

HALOGEN LIGHTS

L990-12V
3¾ x6 Lens/Reflector Assy.

SALE - **$11.25**



VER & SONS, INC.

7540
2321

Located: 4 miles west of New Holland on Route 23, one and one-half miles northeast of Leola, on the North Groffdale Road, one mile on the right, opposite Groffdale Mennonite Church.

Plus The Best Warranty In The Industry!

M.M. WEAVER & SONS, INC.

56th ANNIVERSARY SALE DAYS

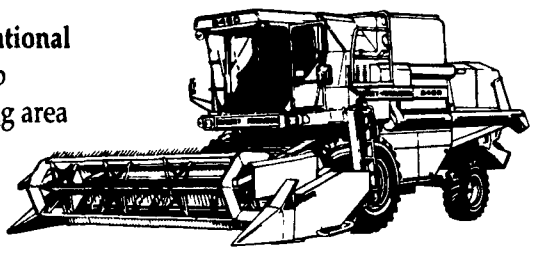
January 2nd thru January 31, 1992

OPEN HOUSE on Friday, January 24, 1992

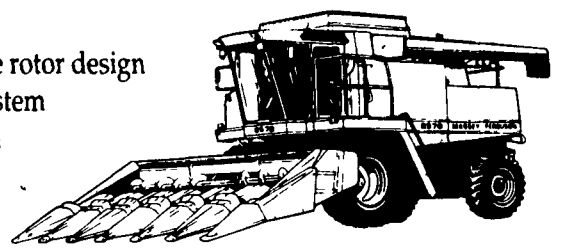
COMBINING OUR STRENGTHS

With Massey Ferguson you have a choice: conventional or rotary. No other company in North America sells both.

MF 8460 and MF 8450 Conventional
- ⇨ Deluxe, center-mounted cab
- ⇨ 7,905 or 6,560 sq. in. cleaning area
- ⇨ 215 or 180 bu. grain tank
- ⇨ 221 or 162 hp*



MF 8570 Rotary
- ⇨ Patented direct-discharge rotor design
- ⇨ Exclusive front beater system
- ⇨ 6,425 sq. in. cleaning area
- ⇨ 220 hp*



Mfr's. est. engine hp

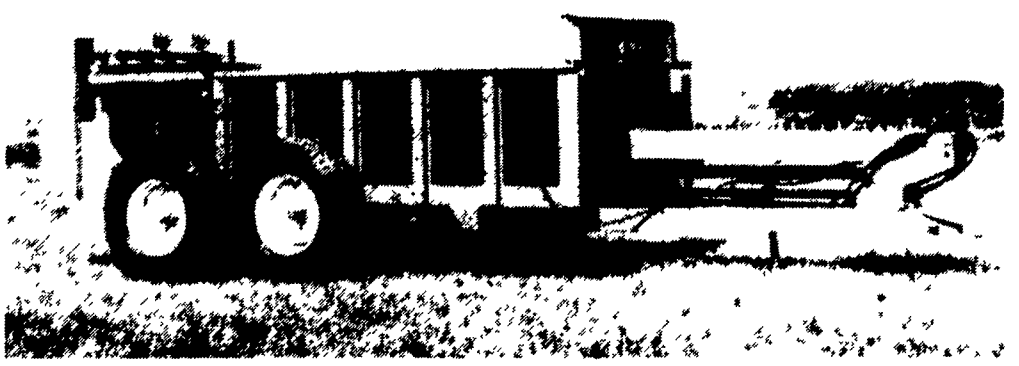
SEE BOTH MODELS IN STOCK!

MASSEY FERGUSON

USED COMBINES

Year	Model	Price
'85	860	$48,500
'84	860	$24,000
'84	860	$25,000
'82	860	$22,000
'81	860-4	$24,000
'81	540	$8,000
'80	750	$13,000
'79	750	$5,000
'79	750	$8,500
'79	760	$9,000
'78	750	$3,000
'78	540	$8,000
'77	760	$3,000
'77	760	$5,000
'77	760	$4,000
'76	510	$3,000
'76	510	$2,000
'75	760	$4,000
'74	750	$9,000
'73	750	$8,500
'73	750	$6,000
'67	410	$1,100
'66	510	$2,000

HYDRA-SPREAD HYDRAULIC PUSH-GATE TYPE MANURE SPREADER



- Hydra-Spread unloads smoothly and evenly with a simple, dependable, hydraulic push gate. Unloading speed is controlled by a precision metering valve.
- Floor and sides are solid, corrosion proof poly-boards containing over 90% recycled material. Stronger than new and we're helping the environment.
- Simple, dependable power train. Every shaft connection from the tractor to the top beater is splined.

The simple and proven design of Hydra-Spread uses reliable hydraulic power to push the load. This feature elminates troublesome apron chains, gearbox, shafts, and sprockets and replaces them with a simple, dependable, hydraulic cylinder assembly. Sides and floor of the Hydra-Spead are made from super-slippery, corrosion-proof, high density polyethylene. The rugged efficient beater design delivers a fine uniform spread pattern. The all-welded unit frame features heavy structural sections for long life.

MASSEY-FERGUSON

M.M. WEAVER & SONS, INC.

Leola, PA 17540 Phone: (717) 656-2321

Located 4 miles West of New Holland on Rt 23 1½ miles Northeast of Leola on the No Groffdale Rd , 1 mile on the right, opposite Groffdale Mennonite Church

WE SHIP PARTS DAILY BY UPS.

Hours:
8-5 Mon.-Sat.

MARSHALL MACHINERY, INC.

Rt 652, Midway Between Indian Orchard and Beach Lake.

Honesdale, PA 18431

(717) 729-7117

Sales, Service & Parts For AGCO Allis, Kubota, New Idea, Hesston, Bush Hog And Brillion

SPECIAL
Butler 320 Mixer Wagon,
In Good Condition, Low Price
Call For Details

"Season's Greetings"

TRACTORS

JD: 2955 w/Sunroof, 2940 w/Sunroof, 4230 w/Cab, 4020.
AC: 6080 w/Ldr. ROPS Sunroof, 6080 w/ROPS & Sunroof; 7000 w/Cab, 7040 w/Cab, 7045 P/S w/Cab, 200 w/Cab, 180 Diesel, 185 Diesel, 190XT Diesel, D17 Diesel.
DEUTZ: DX160 4WD w/Cab, DX140 w/Cab; 7085 w/Cab.
FORD: TW25 w/Cab, 7000, 7600 Hi-Clearance, 5000 w/Ldr., 4000 w/Ldr., 4100 w/Ldr. Sunroof, 3000 w/Ldr., 8N's, 540A w/Cab.
KUBOTA: M8950 4WD w/Cab & Ldr., M 4950 4WD w/Ldr. ROPS Sunroof, L305 4WD w/Ldr.; B7100 4WD.
WHITE: 2-135 Red Stripe w/Cab.
IHC: 140 w/Cult., 400, M, Super H, 140 Hi-Clear.
SAME: Saturno 80 4WD w/Cab.
MASSEY: 135 w/Ldr., 35 Deluxe w/Ldr.
ZETOR: 5245 4WD w/Cab.

TILLAGE EQUIPMENT

AUTO RESET PLOWS:
IHC: 450 4 Btm. 3 Pth., 700 5 Btm. Semi-Mount, 700 6 Btm. 3 Pth., 710 5 Btm. Semi-Mount, 710 4 Btm. O/L Hitch, 710 6 Btm. O/L Hitch, 720 6 Btm. O/L Hitch, 720 5 Btm. Toggle Trip O/L Hitch, 720 8 Btm. O/L Hitch, 735 6 Btm. O/L Hitch; 720 6x18", 3 Pth.
JD: 2500 5 Btm. 18" w/Add On Semi-Mount, 2500 6 Btm. 3 Pth., 2500 7 Btm. O/L Hitch, 3600 5 Btm. O/L Hitch, 3600 4 Btm. O/L Hitch.
WHITE: 588 5 Btm., 4 Btm. Rollover; 508 4 Btm. Semi-Mount.
FORD: 3 Bottom.
CHISEL PLOWS: **AC:** 1600 8 Shank.
GLENCO: 17, 10, 9 Shank 3 Pth.
BRILLION: 7 Shank 3 Pth.
IHC: 13 Shank Trailer
JD: 1610 12 Shank 3 Pth.
BUSH HOG: 12' Shank 3 Pth.
Miller 12' & 13' Offset Plow Disc, Kewanee Offset Plow Disc 13'8" Width 36" Dia. HD Cut Out Blade 11,309 Operating Wt., Kewanee Rock Flex Disc. Large Selection Of Various Makes & Model Smoothing Or Plowing Discs.

HAY & FORAGE

HAYBINES: **NEW HOLLAND:** 472, 474.
NEW IDEA: 270 And 272 Cut/Ditioners.
HESSTON: 1070, 1071, 1090, 1091, 1014 Hyd. Swing.
DISCBINES: **DEUTZ:** SM70.
BALERS: **HESSTON:** 4600.
N.H.: 316, 315, 310, All w/Throwers; 855 & 847 Round Balers.
D/A: HD 490 w/Thrower.
N.I.: 484 Round Baler.
JD: 338 w/Thrower, Like New.
FORAGE HARVESTERS: **NH:** 892
HESSTON: 2000-100, 2000-150, 7140
LARGE SELECTION OF PICK-UP & CORN HEADS. CALL FOR YOUR NEEDS.
FLAIL CHOPPERS: **J.D.:** 3800.
N.H.: 34, 36, 38.
FORAGE BLOWERS: **N.I.:** 620, 622
GOOD SELECTION OF SIDE RAKES AND CENTEPEDE TEDDERS.

PLANTING EQUIPMENT

JD 8350 Dbl. Disc Grain Drill, JD 7000 Conservation 4 Row Narrow Planter, Moore No-Till Seeder, AC 6 Row No-Till Planter w/Liquid Fertilizer, AC 6 Row Narrow Corn Planter w/Dry Fertilizer, Insect Boxes, Monitor, JD 216 2 Row Corn Planter, AC 4 Row Corn Planter, AC Ford, JD 2 Row 3 Pth. Corn Planters.
OTHER ITEMS: Brillion 10 Ft Cultipacker/Seeder, 10 Ft. Cultimulcher.

INDUSTRIAL

TRACTOR/LOADER/BACKHOES: Case 480, 580, 580B, 715 C.
DOZERS: JD 450C w/6 Way Blade, AC 653 w/6 Way Blade, ACH3, Case 450 Crawler w/4 & 1 Bkt.
ALSO:
LOADERS: AC 640, AC 714, AC 615, Massey 2135, NH L775 Skid Steer Ldr., JD 440A And 440B Log Skidders, Pettibone B66 4WD Forklift, 1976 GMC Truck w/45 Ft. Ariel Bucket, Edwards Manlift, Morbark Disc Chipper, Assorted Tag-A-Long Equipment Trailers, Ford Lane Paver Model A-2; Case W9AG Payloader; 20' Tandem Utility Trailer.

CORN PICKERS

NI 323 1R, NI 324 WR & 325 NR. Both Available w/8 Or 12 Roll Husking Bed Or Super Sheller.

HIGH MOISTURE CORN EQUIPMENT

McKee Corn Hogs, Wetmore Grinder/Blower, NH 1R Snapper Head, Kools Regrinder Blower, Speed King 80 8"x24' Grain Auger PTO Drive Transport, Farmhand F89B Regrinder High Capacity Blower.

MANURE EQUIPMENT

LIQUID: Hawkbilt 3220 Gallon; H/M 2900 Gallon, 2400, 3000 Gallon Tank On 1973 Int Tandem Truck, Scavenger 1263; Betterbilt 1500 Gallon
VACUUM: VanDale 2250 Gallon.
Several NI And NH Box Spreaders, Various Sizes. NI 14 Ground Drive. Barrel Spreaders - NH 668, Hawk 207, JD 465, Starline Tandem.

MISCELLANEOUS

FORAGE WAGONS: Lamco Chuck Wagon w/Roof, Int'l 110 Chuck Wagon w/Roof, NH 8 Chuck Wagon, JD 714A Forage Wagon w/Roof.
FEEDER WAGONS: Knoedler Feeder Wagon, Knoedler Dial-A-Mix Wagon, E-Z Flow 220 w/Grain Wagon, Kilbros 250 Grain Wagon, Gehl 7190.
ALSO: NH 355 Mixer Mills, Stoltzfus Truck Mount Fertilizer Box And 5 Ton Wet Lime Spreader, Case/IH 8610 Bale Processor, Hesston #10 Stack Hand And #10 Stack Processor, Kalyn MD6 Tandem Dump Trailer, Rock-O-Matic 30 Stone Picker, Westfield 6"x20 Ft Grain Auger. Like New Kelly Ryan 8 Ft. Silage Bagger, Shaver 3 Pth. Post Pounder, JD 30 2 Row Potato Digger
SPRAYERS: Century 300 Gal. Tandem Trailer, Century 300 Gal. 3 Pth. Boom, Myers 100 Gal. 3 Pth.
LARGE SUPPLY OF FRONT-END LOADERS AND CABS FOR VARIOUS MAKES OF TRACTORS.

TINKERER'S ROW

Oliver 88; Ford 8N; JD B; AC G; Farmall 140 w/Fast Hitch; Same Saturno 80; Farmall H; Farmall Super M; Farmall 504 Diesel, Hi Clearance; Case 430 Diesel; Farmall 230 WF; JD A WFE; Farmall M; Massey 135 w/Loader; JD, MT, WFE; Massey 1080; JD 3010; JD G; Moline R WFE, Farmall 240.
These Machines Are "AS IS" And Need Repairs!

YOUR FARM EQUIPMENT SPECIALISTS

SAVE MONEY ON NO. 1 QUALITY!

ABC GROFF Since 1892 The Name You Can Trust

Ford 1520 Compact Tractors that fit you— and your needs, too *As Well As Being Priced Right!*

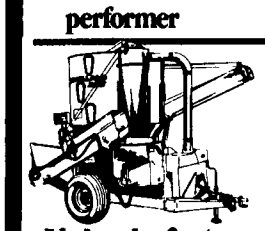
Ford compact diesels give you more power than you'd expect from a compact diesel. They offer a bigger average cubic-inch displacement (CID) than leading competitors so the engine doesn't have to work as hard to generate its horsepower. And that means lower rated engine speeds, less wear and noise and better fuel efficiency.

Stop in and see the Comfortable Ones. There's one just right for you.

Our 86-horsepower **Model 7710** has big power. The 268-cubic-inch turbo-charged diesel engine puts acres behind you fast. And it's fuel-efficient, too.

Take charge with this mid-size performer

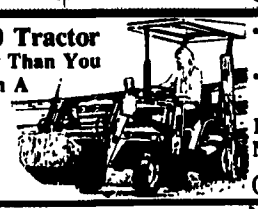
CALL FOR SPECIAL PRICE ON 2WD AND 4WD IN STOCK!



The Model 355 grinder-mixer unloads a full, 100-bushel tank in less than five minutes! The mixing auger thoroughly mixes your ration from the bottom up to produce consistent, uniform feed. Optional electronic scales gives you accurate control of rations. There's a lot to like about the "355"...including the deal we can make on it. Give us a call, soon.

Unloads fast... priced to move fast, too

Ford 1720 Tractor
More Power Than You Expect From A Compact!
- 23.5 PTO HP Diesel
- 4WD
- Shuttle Transmission
- With Loader



DEMO-ALMOST NEW $12,900 (1 Only) CASH

Get a gutsy performer

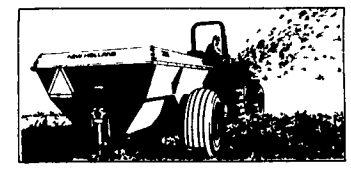
We have a gutsy performer for you- the **Ford Model 5610** with 62-PTO horsepower, it's got a beefy 256-cubic inch diesel engine- the largest in its class. So it takes on tough jobs.

CALL FOR SPECIAL PRICE — 2 WD DEMO

SPECIAL SAVINGS ON NEW HOLLAND HAY & FORAGE EQUIPMENT

You can be sure come baling time

Don't take chances on a breakdown in the middle of your harvest. Replace that old worn-out round baler with a gleaming new Model 848. The roll-floor design gives you sure, fast core formation and increased bale density.



Speedy handling of a sloppy job

CASH PRICE **$4,995** F.O.B. New Holland

From sloppy material to pen-packed manure with bedding. New Holland side-delivery spreaders handle a variety of materials quickly and cleanly. They also spread poultry, freestall and gutter manure from barn cleaners.

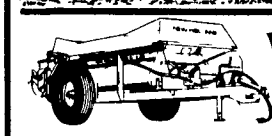
New Holland side-delivery spreaders give you precise control over the amount of material per acre. Spreading rates are hydraulically controlled, providing uniform spread patterns. The Ford New Holland warranty gives you full protection against tank rust-through for ten years. High-strength, corrosion-resistant steel, also used in other areas of the spreader, assures maximum durability and performance.

Now New Holland side-delivery spreaders come in six capacities, from 1,000 gallons all the way up to 2,400 gallons. See the full line of New Holland side-delivery spreaders today.

Unmatched dump reach

The New Holland Super Boom Loaders lift the payload forward as the boom rises so you get more forward reach where you need it most. Super Boom loaders also feature:
- A longer wheelbase for greater stability.
- An integral cab and rollover structure.
- Gas or diesel, air- or water-cooled engines from 18 to 57 horsepower
- Operating loads from 600 to 2,050 pounds

Ask for a demonstration. Find out how much better a skid-steer loader can be



We have a spreader for any farm

Only Ford New Holland offers seven quality spreaders to match any farming operation, including yours. All New Holland spreaders clean out fast to make quick work of dirty jobs.

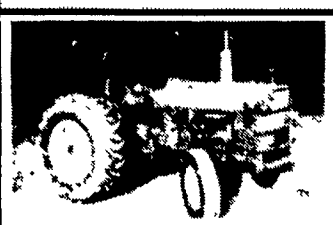
Model	(Bu.) Cap.
213	108
329	138
514	177
520	217
680	287
791	380
795	410

- **Bonded Protection**, the exclusive lifetime guarantee, covers the floor and sides. Ask us for details.
- **Corrosion-resistant steels** are used throughout for tough, long-lasting construction
- **Plus adding optional slurry sides** on the Models 514, 520 and 680 increases capacity up to 25% at a fraction of the cost

ABC GROFF Since 1892 The Name You Can Trust

110 South Railroad Ave.
New Holland, PA 17557
717-354-4191
M-F 7:00 to 5:00 Sat. 7:00 to Noon

BARGAIN HUNTER VALUES - *Many To Choose From!*



TRACTORS

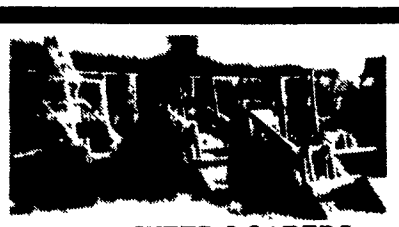
- Ford 4600 52 HP
- Ford 3600
- Ford 3000
- Ford 4000
- SOLD
- Ford 1720 w/Loader, 27 HP
- Ford 555 Ind. Loader
- John Deere 855 w/Loader
- MF 275 w/Loader, 65 HP
- MF 1035 31 HP
- AC D17 Gas
- Farmall 460
- Farmall 400
- Farmall 350 w/Loader
- Leyland 262 Synchro w/Loader, 60 HP

SPREADERS AND MATERIAL HANDLING

- New Holland 518, 520
- New Holland 304
- New Idea 218
- New Holland 305 Side Delivery
- New Holland 357 Grinder Mixer

PLANTING & MISC.

- Brillion 5 Shank Chisel Plow
- IH 3 Bottom Plow
- 950 Roller Harrow
- York Rake
- John Deere 175 Loader
- John Deere 260 Loader
- Ford 772 Loader



SKID STEER LOADERS

- New Holland L-785
- New Holland L-781
- New Holland L-775
- New Holland L-553
- New Holland L-425
- Case 1845

★ COLLECTOR'S ★ SPECIALS:
- JD 730
- JD Model L

SPECIALTY ★ ITEMS OF ★ THE WEEK
- MF 383, 60 HP
- Ford 2910, 36 HP, Less Than 40 Hrs.
- Ford 5610, 62 HP

ABC GROFF Since 1892 The Name You Can Trust

110 South Railroad Ave.
New Holland, PA 17557
(717) 354-4191

Monday-Friday 7:00-5:00
Saturday 7:00-Noon

WALTEMYER'S SALES & SERVICE INC.

JOHN DEERE

BERTHOUD

TRACTORS

NEW

2355 MFWD w/245 Loader
2355
2755
4255

USED

JD 430 2 Cyl. W.F., PS,
JD SOLD
JD LA

HARVESTING

NEW

JD 9400 Comb.
JD 4435 Comb.

USED

JD 6620 Side Hill Combine
JD 215 Flex Head
JD 643 C.H.
JD 237 Mtd. Pick w/Shelling Att.
IH 303 Combine
10' G.H. 2 RW C.H.

PLANTING

IH 56 4 RW Planter, Dry Fert.
Holland 2R Transplanter
AC 5 Row No-Till Corn Planter (Liquid)
IH 21x7 5100 Single Disc Drill
McCormick Grain Drill 13x7, grass seed box

TILLAGE

Bush Hog 12' Disc Wheel Lift
Ford 6X Var. Width Plow
Brady 20' Folding Field Cult.
JD 5X Semi-Mtd. Plow
JD 210 Disc 12' New Blades

HAY EQUIP.

JD 1209 Mo-Co
JD 1207 Mo-Co
Hesston PT-10 Mo-Co
NH 451 Sickle Mower 3 Pt.

MISC.

Century 500 Gal. Sprayer, Hydr. Booms, Mech. Agitator
2 R Braco Potato Harvester w/PTO Drive
Dearborn 3 Pt. Circle Saw

SPECIAL

New 1 Only JD 1600 4x Spring Reset Plow, Fully Mounted $4,500

KVERNELAND

Cross Country Trailers

No-Till 750 Grain Drill For Rent
Call For Details

Route 24, 2 Mile South Of Red Lion
717-244-4168

"Call Us For Your New Equipment Needs. Ask About Our Program Options."

USED EQUIPMENT

Yanmar model 155D 4WD, turf tires
(2) NH L455 skid steer ldr.
NH L35 skid steer, reduced!
Ford 2910, Only 364 Hrs.
Ford 535 TL
Ford 555A TLB w/extendable dipper extremely clean
Ford 4600 dsl. w/cab, very clean
Ford 4600, SU w/loader, very clean
Ford 8N
David Brown 995
NH 320 baler, clean
(2) NH 273 baler, SS/PU, w/throwers
NH 310 w/70 thrower
NH 513 w/endgate
NH 680 spreader w/pan
Meyers 350 spreader w/endgate
NH Haybines: 469, 479, 488
NH 770 2 RN head
Gehl blower w/re-cutter
Gehl CB600 2R head & windrow pickup
NH 770 w/2RN
(2) 13 disc Ontario drill
IH 720 plow 4x18
84" snow blade f/NH skid steer

We're Over Stocked In New Box Spreaders. Call Us!

Parts Shipped UPS Daily

We Have A Get-Away Vacation w/Purchase Of Any New Spreader
Toy Spreaders Not Included

(717) 243-2686

R & W EQUIPMENT

FORRESTER FARM EQUIPMENT LTD.

1475 Orchard Rd.
Chambersburg, PA 17201

Ford Credit

Phone: 717-263-0705
Sales - Parts - Service

FORD NEW HOLLAND

BEST BUYS IN USED TRACTORS

Ford 9N
Ford 8N
Ford Jubilee w/Freeman Loader
Ford Super Dexta, Excellent Cond.
Ford 660 w/Loader
#1933. Ford 2000
#1934. Ford 2000
Ford 2600, Gas w/PS
Ford 4000 Diesel
Ford 5000 Row Crop
Ford 445 Loader
Ford 5610, w/DP, 2,000 Hrs.
Ford TW10, Cab & Air
Ford TW15, 4WD w/Cab & Air, 1,700 Hrs., 20.8 Radials, 14.9x28 Radials, New
Ford 555B, TLB, 1,200 Hrs.
Ford TW25, 4WD
JD 60
JD 2140, 4WD, Cab & Loader
JD 3020 Power Shift
JD 4030, Syncro
Farmall F12
MM Waterloo
Mitsubishi 160, 16 H.P. w/Loader
IH 574 w/Loader 1 Yr. Old
New Sanderson Forklift, 4WD, 22' Extend-A-Ram w/6,000 Lb. Capacity
MF 20 Industrial w/ Loader
Super 88 Gas w/ Hydraulics
White 549 6-18 Plow
New 6 Row White Cultivator
NH 1495 Self-Propelled Haybine w/2 Year Old Head
NH 209 Haybine
NH 411 Discbine
NH 489 Haybine, Good Cond.
NI 512 12' Swing Tongue Haybine
(2) NH 276 Baler w/Thrower
NH 455 Skid Ldr.
(2) NH 775 Skid Ldr. w/Deutz Engines
JD 3950 Forage Harvester w/Meta-lert, 2 Row Narrow Corn Head, 5 Ft. Hay Head
NH 818 Forage Harvester w/2 Row Wide Head, 5 Ft. Hay Head

Hours: 8:30-5:00 Mon. Thru Fri.
8:30-12:00 Saturday

AGCO DEUTZ ALLIS

C.J. WONSIDLER BROS. 1992

R.D. 2, Lobachsville Rd.
Oley, PA 19547
(215) 987-6221 or 6257

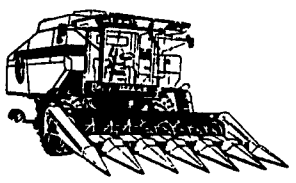
AGCO DEUTZ ALLIS

JAN. 9th & 10th (Thurs. & Fri.)

10 AM - 4 PM

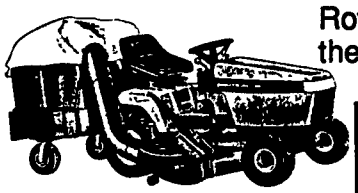
OLEY OPEN HOUSE

8630 AGCO Allis w/Atmosphere



You are invited to discover the "Deutz-Allis Difference" when you join us for our annual **OLEY OPEN HOUSE** on **Thursday or Friday, January 9 or 10, 1992.** Meet our sales, parts and service specialists between **10 AM to 4 PM each day.**

Come see the all new **"orange"** line of AGCO Allis tractors ranging from 40 to 128 PTO HP. That's right, orange is back! Plus, the new Deutz-Allis 9100 Series Tractors that deliver reliable, fuel-efficient 135 to 193 PTO horsepower, with operator comfort. Be sure to come in and meet our new Deutz-Allis ComforTech Gleaner Series II Rotary Combines. The finest Rotary ever built on the market. Plus, our new DA 1992 lawn & garden equipment featuring the most exciting models ever that will groom your farm or home efficiently.

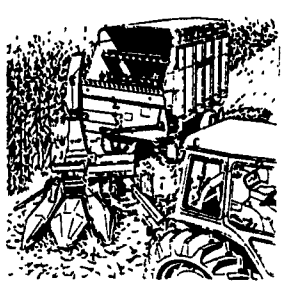


WIN A FREE GIFT CERTIFICATE — Register Thursday or Friday and two grand prizes will be awarded at the close on Friday, January 10, 1992.

1st $500.00 GIFT CERTIFICATE — towards the purchase of a new DA or Ford 40 HP or up farm tractor.

2nd $200.00 GIFT CERTIFICATE — towards the purchase of any new DA Lawn & Garden tractor.

You must be 18 years of age or older. Certificate will expire 12/31/92.



Remember our full new blue line of Ford ag and compact diesel tractors. Plus, New Holland's efficient family of quality built manure spreaders, skid loaders, hay and forage equipment.

SPECIAL OFFER — on **January 9 & 10, 1992,** all **parts** purchased will entitle you to a **10% DISCOUNT,** if paid in cash at time of sale.

FORD NEW HOLLAND OPEN HOUSE

Let us show you our NEW tractor and equipment films, serve hot refreshments, introduce company representatives, and award prizes to you. Come in and take advantage of all these specials.

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Used Tractors
• JD B $1,050 • Oliver 1550, $2,700
• MM: 5 Star $1,750; • (2) U302 diesel $2,000 & $2,600; • BG 1 row $2,350

Used Tractor Parts
Most Makes And Models
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Recent Arrivals: Case 970, IH 2806, Ford 8600, Case 500, Oliver Super 88, IH B414.

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for detailed information
MON-FRI 8-5 SAT 8-12
No Sunday Calls Will Ship UPS
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Oliver 1850 diesel, w/3 speed, good condition & rubber
MF 1080 diesel
MF 230 diesel, excellent condition
MF 180 diesel $3,700
MF 180 diesel, good condition
MF 35 gas tractor
Case 1830 skid loader, gas, complete engine overhaul

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IH 96 hay rake w/front wheel & hydro. drive
Bush Hog 7 tooth chisel plow, high clearance
MF 880 5x16 spring reset plow
14' JD cultipacker, late model
9' Brillion cultipacker
12' Brillion packer w/wheels
12' Dunham packer
Fox forage wagon 16' w/tandem axle gear
Gravity bin wagon and Large gravity bin
Glenco pull type field cultivator
IH 14' 3 pth cultivator
Used Brillion cultipacker parts

MF Tractor Parts Dismantling: 20, 30, 35, 40, 50, 65, 85, 90, 150, 165, 175, 178, 180, 1080, 1100, 1130, 1135, 1150 w/cab

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Bobcat 1990 440B, 44" Bucket, Gas Engine, Like New $6,000
Bobcat 1980 310, 395 Hours, Gas Engine, Good Condition $3,500
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Bobcat 1984 643, 54" Bucket, 3,250 Hours, Diesel Engine, Painted, Fair Condition $5,500
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New Holland 495 12 Ft. Haybine
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MF 260 Harvester With 2 Heads
MF 1105 With Cab and Duals $7,800
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JD A $650
Diesel Demo 40 HP Lehman Skid Loader Complete With Bucket $10,500

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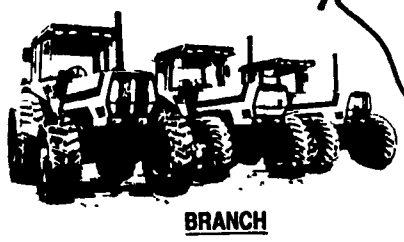
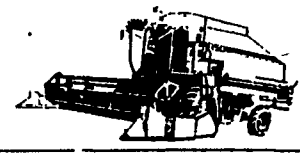
DEUTZ ALLIS





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TRACTORS
DA 6240 D w/Loader, Like New
AC 6060 D, w/Ldr., Excellent
AC 7030 D
AC 7060 D w/Cab, Air And Heat
AC 185 D, Low Hours
AC 160 D, Excellent
AC WD45
AC WD
Ford 8N
Ford 800 w/Front-End Loader And Backhoe
MF 1150D w/Cab
JD 3010 D
JD 60
White 105 D, Excellent
Oliver 1850D
Oliver 1650D
Oliver 1600D
Oliver 550
Farmall Hydro 70D
Farmall 504 w/3 Pt. Hitch
Case IH 574D
Case 500

COMBINES
(1978) AC Gleaner M2 D w/Cab Air, 15' Grain & 630 Corn Heads
AC Gleaner FKS D w/Cab, 13' Grain & 438 Corn Heads
AC Gleaner K w/10' Grain & 238 Corn Head
AC Gleaner E w/Cab, 10' Grain And 238 Corn Heads
JD 55 w/Cab, 12' Grain And 2 Row Corn Heads
JD 6600 D w/Cab & Air, 13' Grain & 630 Corn Heads
JD 4400 D Combine w/13' Grain And 438 Corn Head
IH 815 w/Cab, Air, Heat, M810 15' Grain Head, M863 Corn Head
NH 975 Gas w/Cab & Both Heads
NI 2R Pull Type Husker w/325 Husking Bed & 329 Sheller, Excellent!
NI 323 1-Row Picker, Excellent!
NI 324 2-Row Picker
AC 630 Corn Head For N Or R Series Combines
Case 70 Front-End Loader
Bobcat 743 Skid Steer Loader
Case 1835 C Skid Loader, Like New, Low Hours

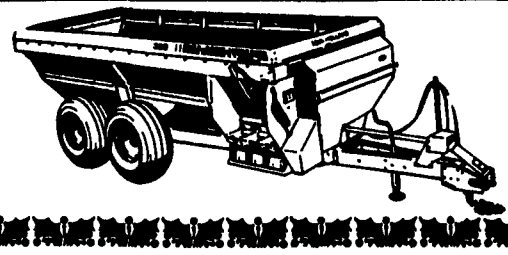
TILLAGE
AC 2000 6-Bottom Plow, On Land
JD 5B Spring Trip Plow
(2) MF 4B 3 Pt. Plow
JD 1000 12' Disc w/Trans. Harrow
JD 17 Disc Grain Drill
AC 600 Air Champ Planter 6-30" Rows
AC 600 Planters, 4-30" & 4-38" Rows

MANURE SPREADERS
NH 791 370 BU, Good
NH 675 w/Endgate, 300 BU.
NH 518, 220 BU.
NI 214, Liq. Pan, 210 BU., A-1!

MISC.
(2) Weaverline 330 Silage Cart
NH 352 Grinder/Mixer, Excel!
NH 357 Grinder/Mixer, Excel!
NH 358 Grinder/Mixer w/Scales, Low Hrs.
Gehl Grinder/Mixer
Grain Chief 400 Bu. Dryer, PTO Drive

HAY TOOLS
JD 1209 Haybine
(2) NH 489 Haybine
(2) HESSTON 1014 Hay Conditioner
JD 346 Wire Baler
IH 2400 Round Baler
NH 276 Baler w/Kicker
NH 310 Baler w/Kicker
NH 273 Baler w/Kicker
NH 275 Baler w/Kicker
NH 320 Baler w/Wire Tie
(2) Grimm Ground Driven Tedder
Vicon 165, 5½ ' Disk Mower, EXCEL!

FORAGE HARVESTERS
NH 1880 Hydrostatic Drive w/P.U. And 2 Row Corn Head
NI 767 Self-Propelled w/702 Power Unit And 238 Corn Head
NH 28 Forage Blower
Gehl 660 Forage Blower
AC 63 Forage Blower
NH 717 Harvester w/Pickup And Cornheads
JD 35 Harvester w/Pickup And Cornheads
770 1 Row Snapper Head For NH Choppers



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Good pre-owned tractors reduced for clearance low, low 5.9% financing for qualified buyers

JD 2630, 70 HP good mechanical condition ..... Was $6,900...Now $ 6,100
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JD 2350 w/245 Ldr.

COMBINES

JD 7720 Been Thru The Shop Recond., Field Ready
JD 7720, 1980
JD 8820 Heavy Duty Final Drive, Duals 4WD w/20' Grain Head, Totally Reconditioned
JD 643 Corn Head 1988, Like New

Waiver Of Finance On Used Combines Until Sept. 1, 1992

MISC.

JD 7000 6RN Corn Planter
Set Of Model 1350-1450 JD 7x16 Plows
NH 320T Baler, Extra Sharp
NH 320T Baler w/Kicker
(1) 7000 8 Row, 30" Rows, Liquid Fert. And Transport
JD 1408 Rotary Cutter
JD 27A Flail Cutter
Brillion 15' Flail Cutter
Woods 121 Rotary Mower
Schwartz 880 Feeder/Mixer Wagon
JD 347 Baler
JD 16R 7000 Planter, Liq. Fert., Insect.
IH 510 Grain Drill
Woods 214 Rotary Cutter

Cooper Ent., Inc.
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(2) IH Hydro 70.$8,900 and $10,500
(2) IH 1066.....$11,500
1086 Cab & Air, 2500 Hrs.....$17,500
IH 986 Cab & Air.....$14,900
IH 504 .....$3,200
JD 350 Dozer w/6-way Blade.$10,500
IH 666 Gear Driven $8,500
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IH 3688
Case IH 885 4WD w/loader
Farmall 504
Ford 8N
IH Cub w/42" mower
IH F340
IH 884, 72 HP
IH 235
IH 245 w/loader SOLD only 90 hours
Cub Cadet 1572 w/60" mower
Woods 1860 Mowing Machine
Grasshopper 1622 Mowing Machine
IH 674 2250 Loader

USED EQUIPMENT

NI 353 Spreader
Loader for Farmall Cub
Ford 5 bottom plow
NI #7 Corn Picker
6' Pull Type Bush Hog Mower
IH 311 6' Mower
IH 540 Spreader
Little Giant 26' Elevator
NH 36' Elevator
Case 1737 Skid Steer
Hydra-Mac 8C skid steer
IH 800 Planter
Case IH 8520 Round Baler
Kuhn FC 200 6'7" Mower Conditioner
Kuhn GRS 24 Rake
IH 56 Planter 6R
NI 290 Mower Conditioner
Ford Baler w/kicker

Merry Christmas & Happy New Year

BIGGS INCORPORATED
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Rising Sun, MD
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case IH

USED EQUIPMENT

MC 660 Corn Dryer 3PH Motor, Shed Kept
NH 469 Haybine
NH 477 Haybine
JD 3 point rake
NH 256 Rake
Allis Chalmers XT190 III
NH 791 manure spreader
NI 717 Combine, Exc. w/13' flex head
NH TR96 combine w/heads, 1300 hrs.
JD 6620 Side Hill Combine w/Head, 4WD
NH Crop 8 Wagon (1)
250 bu. cap gravity wagon w/hyd. auger running gear
NH 1049 SP Balewagon, exc.
NI 1R 325 corn picker
NH 357 grinder mixer
NH 311 Baler
DA D 1006 Tractor
1740 Case Skid Loader (new engine)
Case 480-E 4WD Loader
JD 350 dozer, ex. condition
Woods 121 3 pt. Mower, excellent cond.
Woods C114 Mower
7R Glenco cultivators, 3 pt.
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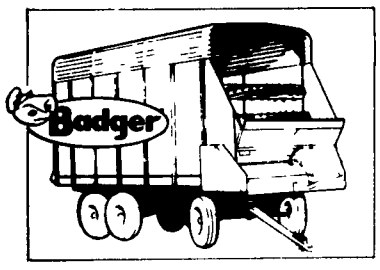
Happy New Year to all Our Customers



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Now In Stock - NH 1915 Harvester w/Heads
SAVE $14,200 (WBD)

10% OFF ALL DEUTZ-ALLIS AND NEW HOLLAND PARTS!!
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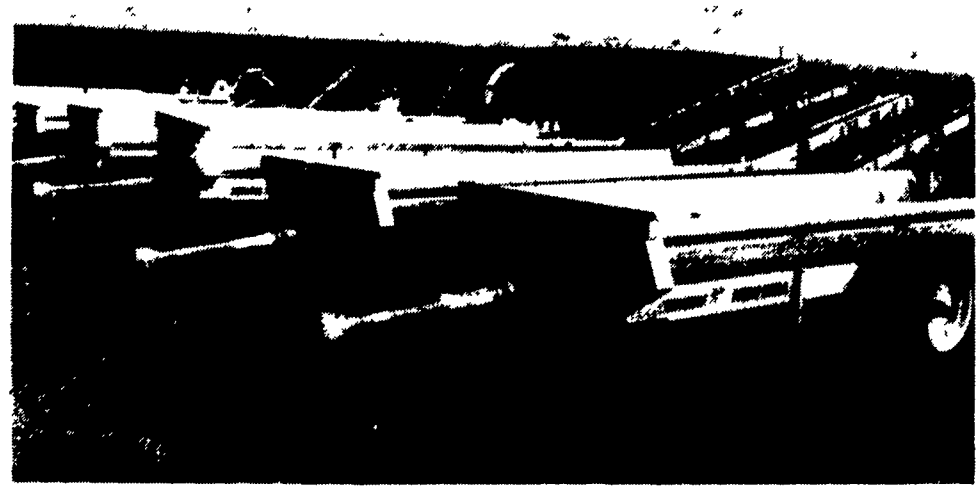

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½ Mile West Off Rt. 501 On School Rd., Bethel, Pa.
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AT

MANOR EQUIPMENT, INC.

Wheatfield Rd. R.D. 8
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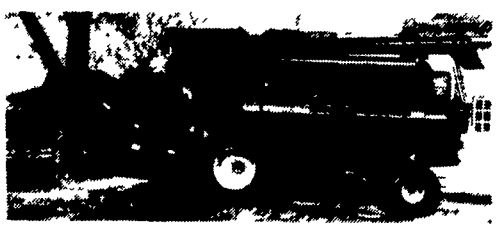

1990 CIH 1660 321 hrs. 24.5x32, 18.4x16.1 AC AHHC grain loss monitor specialty rotor extra sieve & concave for small grain, rock retarder drum, feeder reverser, side hill divider, grain bin extensions, AM-FM radio, deluxe air oil ride seat, this machine is like new and will be completely serviced, ready to go to field by C.B. Hoobers. 820 15 ft. Flex head for small grain 963 6 row 30" corn head with vine knives, all above was kept in shed..

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Deposit will hold machine till small grain season.

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- Case 930 Tractor
- Case 430
- Case 1030
- Case 1070 w/Loader
- Case 1370 w/Cab
- IH 2500A Tractor w/Loader
- David Brown 990 w/Loader
- David Brown 990
- Int. 544, For Parts
- Int. 1066
- Int. 686
- Int. 1086
- Int. 3088
- Int. 3688
- Farmall 300
- Ford 4000 Tractor
- Ford 2000 w/Side Mounted Industrial Mower
- Ford 8N
- Hesston 60-66
- Case-IH 885
- Case IH 885 w/Cab

HAY EQUIPMENT

- IH 1190 Windrower
- NH 469 Windrower
- NH 479 Windrower
- NI 404 Rake
- Hesston 1014, Plus 2 Windrower
- Hesston 1090 Windrower
- Hesston 1091 Windrower
- Case 650 Windrower
- IH 46 Baler
- JD 336 Baler
- NI 456 Round Baler
- IH 27 Baler, For Parts
- IH 445 Square Baler
- NH 78 Baler
- NH 271 Baler
- NH 38 Chopper
- NH 1495 Self-Propelled Haybine
- NH 489 Haybine, $700
- NH 144 Hay Turner, Like New — Only 30 Acres!

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- Hesston 2000-150 Harvester
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- Hesston 7020 Harvester
- NI 843 Cornhead
- NI 717 Combine
- NI Unisystem, 702 Diesel, 710 Combine & 760 Harvester
- NI 774N 4-Row Head
- NI 705 Uni-System
- (2) NI 709 Uni-System —Priced Reduced!
- NI 315 Sheller
- NI 324 Sheller
- NI 727 Husking Bed
- NI 737 Husking Bed
- NI 838 Husking Bed
- NI 767 Super Chopper
- NI 323 1-Row Cornpicker
- NI 325 12 Row Husking Bed
- IH 120 Forage Box
- Badger Forage Box, Only $1,200!
- JD 3800 Harvester

TILLAGE

- Int. 2-Bot. Trailer Plow
- Ford 5-Bottom Plow
- Int. 6500 11-Tooth Soil Saver
- (2) Int. 475, 17½ Ft. Disk
- IH 370 Disk Harrow, 13 Ft.
- Case 16" Reset Plow, 6 Bottom
- Case IH 720 4-Bottom Plow
- IH 710 4-Bottom Plow
- JD 210 Disk
- Oliver 16" Rollover Plow
- Used Cultipacker
- Bush Hog 15 Ft. Disk

LOADERS

- Case 450 Dozer
- Case 530 Backhoe
- Case 1835B Gas Uni-Loader
- Case 1737
- Case 1830
- Case 1835B Diesel
- Case 1835C
- Case 1845 Diesel
- Case 580D Loader Backhoe- Like New!
- NH 555 Skid Loader

MISCELLANEOUS

- Zimmerman Manure Elevator
- NH 36 ft. Elevator
- Gehl 1540 Blower
- (2) Gehl 99 Blowers
- IH 56 Blower
- Int. 600 Blower
- NI Blower
- Automatic Roller Mill
- NI 218 Spreader
- NI 224 Spreader
- NI 245 Spreader
- HM 1666 Spreader
- HM 1674 Spreader
- Gehl 350 Spreader
- Gehl 250 Spreader
- 500 Gal. Century Sprayer
- Weaverline Cart, 30 Bushel
- Tye No-Till Drill
- JD FB-B 17 DD Drill
- JD 8300 Drill— Soybean Special!

Excellent Used Equipment — Selling On Consignment — Call For Prices!

NI 802 Unisystem Tractor w/717 Uni Combine & 844 Wide Cornhead
Hesston 4600T Baler w/4600BT Thrower
NI 406 Hyd. Drive Hay Rake
Farmhand 817 Feed Grinder
NI 106 Spin Spreader
Case 1816C Skid Loader w/Bucket And Fork

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Case IH

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Douglas EQUIPMENT & SUPPLY CO.

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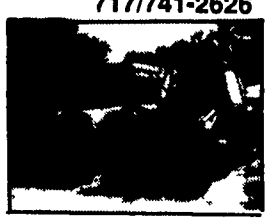
THINK SNOW

Ford 335 Loader, 3 pt, PTO, ROPS, one owner, excellent cond., diesel
$6,600
MF 40B, 3 Pt, PTO, Diesel, Twin Sickle Bars



Case 580D, Full Cab & Heater, Very Good Cond., 2300 Hrs.

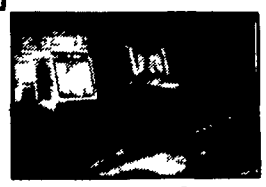
Case 580C $10,500

Have A Happy New Year From All Of Us At Douglas Equipment

Bros. Snow Blower, V4 Wisconsin, Excellent Condition

Bomag BW120 AD, double drum drive, vibratory, excellent cond.

Athey 7-12D Force Feed Loader, JD Diesel Turbo, Hydrostatic, Good Cond.



Ready To Plow Snow
IH 2444 Tractor, Gas, Power Steering w/Front Plow, Power Angle, 3 Pt., Snc-Line V4 Wisconsin, 4 Spd, Good Cond.

Schramm Pneuma Tractor 12½ $3,250

Bros SP3500 9 whl. rubber tire roller, Ford gas, good cond.

Epoke tow behind salt spreader, like new...Call For Price

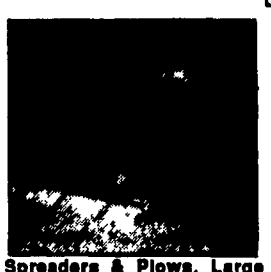
Myer HM10 power angle plow, complete...Call For Price

Just In (1) Swenson Salt Spreader, SOLD ens, Gas Driven Hyd., Excellent Cond.

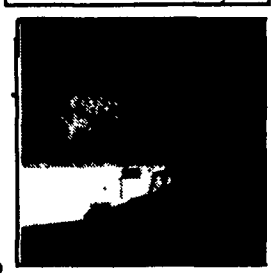
New Custom Trailers, 3 Ton Thru 20 Ton, Call For Prices

Mayco Grout Pump, Call For Price

Huber Maintainers
"We Got 'Em"
(1) M-600 , Ford Gas, Front Blade, Wide Tires, w/ROPS.
(1) M-650, Ford Diesel, Front Blade, Wide Tires, ROPS.
(1) M-500, Cont. Gas, Front Blade, Wide Tires.
(2) M-52's, Cont. Gas, (1) w/ Cab.
(2) M-500's Cont. Gas, good cond.
Call For Prices



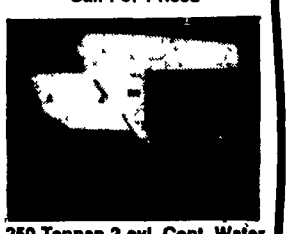
Spreaders & Plows, Large Selection In Stock 9 Ft. Bin Type Hyd. Spreader, $1,250. Snow Plows- 10 Ft., 11 Ft., 1 Ways, 2 Ways, Starting at $300



Pettibone B-66, GM Diesel, Heavy U/C, Very Good Cond.

Huber F1700, PS, GM diesel, $9,500

Pettibone Super 8 33' Lift, 6000 Lb. Cap, 4WD, 4WS, (1) w/6 Cyl. Gas, (1) w/GM Diesel
(1) Pettibone Super 8 Carry Lift, GM Diesel, P/S, 4 WD, 4 WS, Fork & Top Clamp



250 Tennan 2 cyl. Cont. Water Cooled $4,500
360 Tennant, hi dump, Ford Gas, $5,500
Wayne 973 Street Sweeper $3,850
(3) 240 Tennants 2 Cyl. Kohler, 1 w/cab $3,500 ea.

Nothing runs like a Deere™

Happy Holidays!

TRACTORS

MF 135, Nice	$ 4,350
Farmall H Tractor	$ 1,200
JD 4430, Cab, PS, 20.8-38 Radials	$17,900
MF 1085 w/Cab, 2500 Orig. Hrs., Very Nice	Coming In
JD 2640 1982 Model, New Engine, Hi-Lo, New Tires, Excellent	$13,900
White 2-75 4WD, w/RG Canopy, 1985 Model	Coming In
Farmall 656 Diesel, Fast Hitch	Coming In
Kubota B2150 4WD, Hydro, w/Kubota Loader, 5 Hrs., New	$12,900
JD 4520 Cab, PS, Excellent	$11,900
JD 8630 4WD, New Engine, 3 Pt., PTO, Duals, 20.8x42 New Tires, Exc. ~~$33,900~~	$31,900
Farmall 400 w/WF, PS & Loader	$ 2,850
Farmall 400 w/Power Steering, Fast Hitch	$ 2,850
IHC 240 Tractor	$ 3,000
IHC 686 WF w/Duals, Nice	$10,500

FORAGE EQUIPMENT

NI 709 Uni-System w/767 Chopper & 768 Grass Head	Coming In
NI Blower, Like New	$ 1,250
JD 7' Grass Head w/Pickup Wheels	$ 2,250
JD 216 Forage Wagon w/Tandem Chassis	$ 2,450
Hesston 7650 Self Propelled Harvester w/3RN, 1300 Hrs.	$28,500
Gehl 1580 Blower	$ 1,850
Complete JD Cutterhead for Self Propelled Harv.	$ 2,500
Complete JD Cutterhead for Self Propelled Harv.	$ 1,000
JD 3960 Harvester w/Controls	$ 6,800
IHC 555 Forage Harvester w/2Rw & Grasshead ~~$ 1,700~~	$ 1,000
Gehl 2 Row Narrow Snapper Head	$ 1,250

MANURE SPREADERS

NI Manure Spreader, Tag #410	$ 600
JD 40 Spreader	$ 450
Oliver Spreader	$ 450

GRAIN DRILLS

IHC 510 Grain Drill 13 Shoe, Excel.	$ 2,750
JD 8300 18x7 Drill w/ Grass Seed	$ 3,750
JD 1550 Notill Drill w Grass Seed	$ 3,250
Haybuster Notill Drill	$ 3,750

MISCELLANEOUS

Weaverline 430 Hydrostatic Feed Cart	Coming In
Innovative TMR w/Scales	Coming In
Butler TMR w/Scales 280	$ 2,500
46A Loader Off 3020	$ 800
48 Loader Off JD 4020	$ 2,000
JD 260 Loader Ind. Valve 2640-3155	$ 4,850
JD 1550 No Till Drill	$ 3,250
New Kwikway Blade	$ 400
Woods Belly Mower	$ 600
Spreader Box	$ 550
3 Pt. Blade Green	$ 300
NI Picker Sheller	$ 1,500

PLANTERS

White 5400 4 Row w/Monitor Notill & Insect.	$ 2,750
JD 7000 Conservation 6 Row w/Augerfill	$ 6,000
JD 1240 4 Row Insect. Shoe No Markers, Tag #912	$ 1,200
IHC 56 4 Row, Tag #491	$ 850

TILLAGE

JD 2810 5 Btm. Plow Like New	Coming In
JD 5 Btm Trip Plow	$ 1,885
Pittsburgh 6 Bottom Spring Reset Plow, Brand New, List $14,700	$ 7,950
JD 11 Tooth 710 Mulch Tiller	$ 5,250
White 283 10' Offset Disk	$ 4,350
JD 2500 Spring Reset, 5 Bt SOLD	$ 4,250
JD 1640 Plowing Disc	$ 3,950
MF 880 5 Bt. Plow, Nice	$ 3,150
JD 1010 Field Cult., Like New	$ 1,850
JD KBA Disk 12', Good	$ 950
Pittsburgh 12' Disk	$ 900

COMBINES & HEADS

JD 4400 Combine, Gas	$ 4,995
JD 6600 Combine (Parts)	$ 2,300
MF 510 w/Cornhead & 13' Grain Platform	Call
JD 213 Flexhead Yellow Reel	$ 2,200
NI 844W Cornhead	$ 1,600
JD 444 Cornhead, Needs New Points	$ 2,250

HAY EQUIPMENT

JD 328 Baler w/40 Ejector	Coming In
NH 256 Rake	$ 1,950
Gehl 2350 Discbine, 2 Yrs. Old, Like New	$ 8,450
IHC 5 Bar Rake	$ 650
NH 848 Round Baler, Loaded	$ 8,750
NH 1112 Self Propelled Windrower ~~$12,900~~	$ 9,750
NI 555 Baler w/Thrower	$ 3,000
Hesston 6555 Self Propelled Windrow 12', 940 Hrs. ~~$17,500~~	$16,500
NH 276 Baler w/Thrower	$ 2,750

NEW JD 913 Rigid Platform w/Duro Flo Pickup
Special ***$6,995*** (Invoice Price)

NEW JD 913 Rigid Platform w/Bat Reel Pickup
Special ***$5,795*** (Invoice Price)

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1984 Holiday Rambler Ambassador 26', 17,000 Miles., Dual Air Cond., 454 Engine, Large Refrigerator, Oak Cabinets, Power Seats, Floor Heat, Canopy, Hitch On Rear, Loaded, 1 Owner, Bought New, One Of A Kind.
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USED TRACTORS
IH 886, Cab, Air, low hours
IH 1066 Black Stripe, Cab, Air
IH 1086 cab, air
Oliver 1655 cab, WF
IH 756, WF 3 Point, very good
JD 1020 with loader
IH 966 Black Stripe, 38" Rears, Excellent
IH 1466 Black Stripe, Excellent
IH 444 Diesel
Same Tiger 100, MFD, Cab

SKID LOADER
Ford CL30 2 buckets
Case IH 1825 diesel, 100 hrs., like new
Mustang 25 HP gas, very good condition

USED PLANTERS
IH 800 plate planter
IH 510 Drill, 18 Dbl. Disc, Fertilizer & Grass
Deutz Allis 385 4 R Very Good

MISCELLANEOUS
NI 3825 liquid spreader, 2500 gal., demo List ~~$12,500~~ $5,100
MC Flail chopper, excellent
Oliver Crawler With Winch
NI 382 V Spreader, Like New
NH #90 Bale Handler
NI 2R Corn Head For Uni, Demo

Excellent Ford Tractors
8700, cab, air, DP, weights, radial tires, 2,500 hrs.
7700, cab, air, dual power, weights, 1980 model
7610 II, 4WD, syncro w/DP, triple remotes, weights, radial tires, 105 hrs., factory warranty
5610, DP, 18.4x30, 1,218 hrs., 1 owner
5000, dsl., dual power, 540 & 1000, 1973 model
JD 2550, 4WD, hi-low w/245 loader, 2,300 hrs.
4610, syncro trans., dual hyd., 1,100 hrs.
4610, 8 spd., 13.6x38, 2,300 hrs., 1 owner
4600, dsl., 8 speed, 16.9x30, 2900 hrs., 1 owner
4600 SU, dsl., 8 spd., 14.9x28, power adjust
4000, dsl., 8 spd., 1968 model w/Dunham loader
Coming In... 3600 diesel, 2,500 hrs.
8N

Equipment
Bush Hog 2400 QT loader w/valve, bucket & forks, Ford mounting brackets
Dunham loader w/valve & bucket, brackets for 2000 or 3000 & 4000 SU
NH 144 windrow inverter
NH 489 haybine, 1 owner, low acres
NH 492 haybine w/hyd. swing

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Miller 200 Amp "Blue Star" $1,000
Lincoln 225 Amp "Weldan Power" $1,400

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G100, 2.2 HP $215
GX120, 4.4 HP $264
GX160, 5.5 HP $285
GX270, 9 HP $459
GX390 13 HP $532

Discontinued Models Limited Supply
GX240, 8 HP $430
GX240, 8 HP Elect. .. $510
GX340, 11 HP $505
GX340, 11 HP, Elect. $575

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Ford F600 Truck w/Grain Dump	$ 2,500
Bobcat 610 Skid Steer Loader	$ 2,500
AC 200 Tractor w/Cab, Recent Eng. Overhaul	$ 7,500
JD 2550 MFWD Tractor	$16,900
Frye QT Loader, Fork, Bucket (Finance Waiver Til 4/1/92)	$ 2,500
JD 2750, MFWD, SG Tractor w/245 Loader (Finance Waiver Til 4/1/92)	$28,900
Ford 2000 Low Profile Gas Tractor	$ 2,500
IH Cub	$ 1,750
IH Super A Tractor w/Cultivator	$ 2,500
IH 574 Gas Tractor (Finance Waiver Til 4/1/92)	$ 4,250
IH 584 Dsl. Tractor, IH 2250, QT Ldr. (Finance Waiver Til 4/1/92)	$ 9,990
JD 3300 Gas Combine	*$ 3,990*
NH 68 Baler	$ 875
JD 214W Wire Baler	$ 500
JD 336 Twine Baler w/30 Ejector	$ 4,500
JD 346 Wire Baler	$ 3,750
JD 346 Wire Baler w/30 Ejector	$ 4,500
JD 347 Wire Baler	$ 6,500
NH 450 7' Sickle Bar	$ 975
IH 1000 7' Sickle Bar	$ 775
Zetor 5'4" Disc Mower	$ 750
JD 1209 Mo/Co	$ 2,250
NH 411 Discbine	$ 5,990
NH 489 Haybine	$ 3,250
NH 55 Hay Rake	$ 1,000
JD 210 14' Disc	$ 2,000
JD 710 8'9" Mulch Tiller (New)	$ 5,350
IH 800 4RW Cyclo Planter	$ 2,250
JD 1240 4R Plateless Planter, Dry Fert.	$ 1,250
JD 1240 4R Plate Planter, Dry Fert.	$ 750
JD 7000 4R Plate Planter, Liquid	$ 3,500
JD FB-A 13x7 Grain Drill 13x7	$ 500
JD 8200 18x7 Drill, GS, SD	$ 1,750

Many Other John Deere, DeLaval, Jamesway and Landpride Items

See Our Large Assortment Of JD Toys

All Combines Sold— Free Parts For One Season If In Our Parts Lot.

Dismantling For Parts:

Combines	Harvesters	Planters
Cultivators	Haybines	Plows
Discs	Mowers	Spreader
Drill	Pickers	Tractors

Rise up, and follow the star!

IH: 915, 815, 715, 615, 315, 205, 203, 503, 403, 303, 93, 91, 141, 105, 101, 82, 80, 76, 74. JD: 7720, 7700, 6620, 6600, 4420, 4400, 3300, 105, 95, 55, 45, 40. MF: 760, 750, 510, 410, 300, 205, 35, 92, 82, 72, 90, 80, 70, 60, 27, 26. AC: Gleaner, F, L, M, K, G, E, C, C2, A, 60, 66. Oliver: 7600, 545, 535, 525, 430, 40, 35, 33. NI: Uni, 710 Combine, Huskers, 705, 702, 701, Combine shellers & harvesters. Case: 1160, 960, 700, 660, 600. NH: 1400, 975, 965, TR70. MM: 5297, 3496, MM Uni, White 8600, Field Boss, 7300, Massey 750D, Straw Spreaders & Choppers; JD 7720, Motors, transmissions, tires, corn & grain heads, grain savers, 1984 JD 6620 side hill w/heavy steering axle.

Parts For IH 1440, 1460 Rotarys . **NI 802 w/Harvester** **JD 6600 & 6620 Side Hills**

Financing or Lease Available

COMBINES
New Arrivals:
JD 4400 dsl., rotary screen, real nice w/heads
8600 White dsl. hyd. w/15' flex & 6R 30" corn
JD 6620 hydro, diesel, level land
JD 4400 diesel w/heads
1979 JD 4400 diesel, choice of heads
JD 6600, diesel, hydro w/heads
JD 3300 diesel w/grain, choice of 3R 30" or 2R 38" corn
JD 55 sq back w/grain head & 30" 3R corn
(2) AC F 2 diesel w/heads
1976 AC F diesel w/4R corn & grain
1976 AC F D w/choice of heads, big rubber, nice
AC F diesel hydro, real nice
AC F diesel, new motor w/heads
AC F diesel, choice of heads
AC M gear diesel w/heads
MF 550 diesel hydro, gray cab w/ heads
MF 510 w/4R 30" & grain
(2) MF 510 diesel w/head
MF 510 diesel w/grain saver 4R 30" corn & grain, $3,875
MF 510 diesel, hydro w/heads
MF 510 diesel w/heads, real low hours, excellent
MF 410 dsl, hydro w/heads
MF 35 SP w/8' grain & 2R corn
MF 35 S/P w/8' grain head
(2) IH 80 pull type, PTO, bin
IH 93 w/10' head, nice
IH 203, 10' grain & 2R corn
IH 715 gas, w/heads
IH 715 hydro diesel w/heads
Late IH 715 w/German diesel & heads
IH 815 hydro diesel late low profile w/6 or 4 row & grain
IH 141 w/12' grain, 2 row corn, 1 owner, nice
IH 1460 axle-flow w/820 grain head & choice of 4 or 6R corn
IH 1460 axle flow w/6R 30" corn & 820 flex
IH 715 hydro diesel w/grain & corn
IH 715 hydro diesel w/late heads
NH TR70 Ford diesel, choice of heads
Late model NH TR85 hydro cat diesel under 1000 hrs, 28x26 rubber
1- w/16'flex grain head
6R 30" CH or 4R 38" CH NH TR70 cat diesel gear w/ heads

TRACTORS
DC Case SOLD loader
Case 700 D 3 pt.
Case SC w/loader, nice
Ford 4500 ind diesel w/ldr. & cab
Ford 4000 ind. gas w/loader
Ford 800 gas w/3PT & loader
(2) 1953 Ford NAA
IH 4366 new motor, 3PT, 4WD, duals front & back
Int 3414 ind diesel w/loader PTO, 3PT
IH 450 G P/S, fast hitch, nice
JD 4020 diesel, power shift, $5850
(2) JD A late models
AC D19 diesel WF 3PT
AC WD, gas
AC C w/side mtd mower
AC HD5 diesel crawler loader
AC C w/cultivator
Farmall Super A w/side mt. sickle bar mower
Farmall 56 SOLD good shape
Farmall Super MTA
1939 Farmall H, $1175
Farmall Super C
Farmall Super MTA
Oliver 770 gas, WF
Oliver Super 88 WF
Oliver 88 gas
Oliver Super 66
Oliver 66 gas, nice
Oliver 1655 diesel, WF, $4,500
Oliver crawler w/roll guard
IH 504, power steering, 3PT
C Allis w/belly mower
Ferguson 30, 3PT, $1,950

CORN PLANTERS & DRILLS
JD 8300
JD FBB
IH 10
IH 510
IH 21 D-disc w/brass wheels

SPREADERS
NI 3800 series, auger side throw, 1600 gal., tandem axle, real nice, $4500
NH 383 rt. hand tank, excellent shape

CULTIVATORS

HAYBINES & RAKES
JD 640 w/dolly wheels
JD 1209 9'
NH 1495, gas, cab, 12' self-propelled
NH 474 7'
IH 225 gas, SP w/cab
(2) IH 990 9'
Hesston 1010 10' hydro swing
Bale wagons w/steel racks, $1250 each
NH 495 12' 1600 & 3200

GOOD RUNNING MOTORS
Tractors: JD 4440, 4240, 4320, 4020, 4010, 2840, 2510, 2010, 1010 IH 1066, 966, 856, 806, 756, 706, 560, 460, 400, 450, 584, 574, 664, 544, 504, 340, 300, C, H, M AC: D17, D19, WD, WC, XT 190, 210, 220, CA, C. Case: 530, 300. Ford 8N, NAA, 800, 871, 3000, 4000, 5000.
Combines: JD. 7720, 7700, 6620, 6600, 4420, 4400, 3300. IH: 1460, 1440, 915, 815, 715, 615, 315, 205, 203. AC L, M2, F, C2, G, E. MF: 760, 750, 510, 410, 300

(2) IH 6 cyl. gas w/clutch
Chrysler Ind. 8 cyl. w/clutch
6 cyl. Hercules w/clutch

NEW 3 PT. EQUIPMENT
Post Hole Diggers
Snow, Dirt, Manure Blades
Stone Rakes
Rotary Cutters
Box Blades
Discs
Bale Movers
Hay Tedders
Finishing Mowers
Potato Plows
New Trailers, all sizes
Fert Spreaders
Cement Mixers

AC hydrostatic lister diesel skid loader for parts

LOADERS
AC fits D19
AC fits D17
Ford ind. gas SOLD 400, $975
(3) Fords w/hyd. bucket
Snow blades for loader or front mounted
IH fits Super M
IH 2000 series hydraulic bucket, dirt & fork off of IH 806, $1500
JD 46 loader
JD 45 for 2 cyl tractor, real nice
JD 146 off JD 3020, $1600
NI w/wide bucket

BALERS
NH 852 round baler auto wrap
NH 273 w/thrower
NH Super 68 w/chute, $600
JD 410 round baler 4' bales, nice
IH 2400 round bale, nice, $3500
IH 45, nice, $200
Hesston 5600 round baler, $3000

MISC.
MF S disk drill
Kilbros 350 gravity box
(3) IH semi & trailer belt drive
IH fast hitch mower
JD elevator w/drag elevator
(2) 24' elevators
(2) JD 350 3PT mower
New Case backhoe loader bucket
IH & JD mowers
Heavy duty gravity wagon
NI PTO elevator
20' grain or feed elevator, $250
PTO 40' auger elevator, $700

GRINDER/MIXER
Gehl 95, real nice
NH 352 grinder mixer, nice
IH 1150 grinder mixer, $2275

MOWERS/ ROTARY MOWERS
AC trailer type belt drive
(2) JD 6' pull type
3 pt. 6, 7 & 8'
Also pull types.
Rotary mower
Ford 7' 3PT
JH 14' flail stalk cutter
IH 3PT belt drive
NEW 11' rotary mowers HD up to 125 HP

CORN PICKERS
NI 325 2R 30"
Late NI 323
(3) NI 323 1R
(2) NI 10 1R
(4) NI 324 2R, 38"
(2) NI 325 2R, 30"
NI 325 2R,30" w/12 roll bed
NI 319 2R mt.
Farmall 460 gas w/IH mt.
JD 300 w/choice of 2R 30" or 2R 38" or 3R 30" heads

HARVESTERS & UNLOADING WAGONS
Badger 3 beater tandem & roof
Hesston self-propelled chopper attach. for AC Snapper head
Gehl 6' flail chopper
NH 890 w/2R 30" & pickup
NH 770 w/2R head
JD 38 w/pickup & 2 row
JD 35 w/2R head & pickup
JD 216 tandem wheel unloading wagon
(3) JD 16A 6' flail chopper
JD 38, 2R, & pickup, $1,500
JD direct cut for 38 - 3800 - 35
JD 2R for 38 - 3800 - 35
IH direct cut for 50 - 555 - 550 - 650
NI 767 harv w/PU & 3R 30" or 38" corn off of 709 or 802
NI 768 WN 3R 30"-38" head
Coby 3 beater unloading wagon w/roof
Badger tandem, 3 beater w/roof
Badger 3 beater, roof unloading wagon
AC unloading wagon, no roof

EXTRA CORN HEADS & GRAIN HEADS

WIDE FRONT ENDS & DUAL WHEELS
WF Ends: IH: 460, 560, 706, 806, 856, 756, 1256. AC: D19. Ford: 5000, 6000. MM: G1000. Oliver: 66, 77, 88, 1800.

PLOWS
50 resets & trips 2-6 bottoms

30 DISC HARROWS

IH: TD5 Crawler, 3414, 1256, 1066, 966, 856, 666 Hydro, 806, 706, 704, 674, 664, 660, 656, 574, 560, T, 544 Hydro, 544 Gear, 504, 404, 460, 450, 444, B 414, 400, 350, 340, 300, B275, 240, 230, 200, MTA, M, H, C, BN, A, Cub, 154 Cub, F30, F20, F14, F12. JD: M, 4020 dsl, 4010, 3020 dsl., 3010, 2020 dsl., 2010, 720, 430, 420, 70, 60, 50, A, B. AC. 5050, 190XT, 180, D14, D15, D17, D19, WD, WC, CA, C, B. MF: 1155, 90, 85, 444, 333, 175, 65, 44, 33, 30, 20 Case: 600, 530, 310, 300, DC, SC, VC, VAC. Ford: 6000, 5000, 4500, 4100, 4000D, 3400 ind, 960, 861, 860, 800, 800, 641, 600, 8N, 9N. Ford major, 5000 Oliver. OC3 Crawler, OC6, 1800, 1600, 880, 770, 88, 77, 70, 66, 60, 55. MM U, MM 5 Star, MM Jet Star 3, MM 335, MMG 1000, R, Z, E3 Coop, David Brown 990. New Field & 345 Leyland, gas track crane w/boom for parts.

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AC 190 XT w/Cab, Rubber, Injectors, $3,950
MF 165 Gas w/New Kelly loader $6,495
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642-8519 Nights

TRACTORS
JD 2040, low hours
JD 4020 diesel, side console, power shift
JD 3020 diesel, side console
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TRACTORS

JD 4650 Cab, Air, MFD, 15 Spd., Power Shift, 18.42 w/Duals, Very Nice
1987 JD 4450 Cab, Air, Power Shift, MFW, 1200 Hrs., 18x42 w/Duals, Excellent Cond.
1976 JD 4430, Cab, Air, QR, 4200 Hrs., Excel. Cond.
JD 4320 Dsl., Cab & Air, Very Nice
JD 4230 Dsl., Cab, Air, QR, 38" Rubber, Very Nice
1982 JD 4040 Dsl., Cab, Air, Power Shift, Very Nice
1972 JD 4020 Dsl., WF, Side Console, Dual Hyd.
1968 JD 4020 (SOLD) w/Cab Dual Hyd., WF
JD 4000 Dsl., WF, YR Cab, Dual Hyd., Very Good
JD 4430 Dsl., Cab, Air, QR, Very Nice
1987 JD 3150 Dsl., Cab & Air, MFD, 1,000 Hrs., Excellent Cond.
1979 JD 2640 Dsl., 2300 Hrs., Hi-Low, Indep. PTO, Dual Hydraulics, Excellent Cond.
JD 2630 Dsl. Indep. PTO
1988 JD 2955 Dsl. (SOLD) 100 Hrs., w/Roll Guard, Very Nice
JD 2750 Dsl., Hi-Lo Indep. PTO, Rack & Pinion, 16x38 Rubber, Excellent Condition
JD 2520 Dsl., WF, Dual Hyd., 3900 Hrs., One Owner, Very Nice
JD 530 Tricycle w/3PT, Good Cond.
IH 5088 Cab & Air, 20x38 Rubber, Very Nice
IH 1466 Dsl., Red Cab w/Air, New TA, 3,100 Hrs., Dual PTO & Axle Duals, Very Nice
IH 1066 Dsl. w/Cab, Low Hours, Very Nice
1976 IH 766 Black Stripe w/Cab, 2900 Hrs., Exc. Cond.
IH 460 Gas, WF, Fast Hitch, Very Nice
Ford 2000 Gas, Power Steering w/Indust. Loader, No. 3PT, 1500 Hrs., Very Nice
Ford 7610 Dsl. w/Cab, Dual Power, Excellent Cond.
1981 MF 2705 Dsl., Cab & Air, 24 Spd. Power Shift, Very Nice

QUALITY COMBINES
(Displayed Inside Building)

1986 JD 6620 Dsl., Titan II, 1,000 Hrs., 28L Rubber, Fully Equipped, Excellent Condition
1981 JD 7720 Dsl. Cab & Air, Hydro, Very Nice
1979 JD 4400 Dsl., Cab & Air, 23x26 Rubber, Very Good Machine
1973 JD 4400 Gas, Cab & Air, 2100 Hrs., One Owner, Excellent Cond.
1975 JD 3300, Gas, w/Cab, One Owner, Very Nice
Gleaner K w/Cab, 10' Grain Platform
1980 Gleaner K2, Cab & Air, Grain Saver, 1000 Hrs., One Owner
IH 203 w/Cab, 10' Grain Table, Excel. Cond.
MF 13' Rigid Platform
JD 213, 215 & 216 Flex Head, Good Selection
JD 13' Rigid & Floating Grain Heads
IH 820 13' & 15' Flex Head
AC 10' Grain Platform Fits EIII/K2
Gleaner 313 Flex Head to fit F-F3
AC F2 13' Rigid Head

CORN PICKERS

NI 325 2RN, 12 Roll Bed, Late Model, Very Nice
NI 325 (SOLD) 12 Roll Bed
NI 324 2RW 12 Roll Bed, Late Model
NI 324 2RW 12 Roll Bed, Very Low Acreage, Like New
NI 323 1 Row Corn Picker

HAY EQUIPMENT

JD 2RN & 2RW Heads w/Slip Clutch
JD 1219 Mower Conditioner, Non-Clog Guards, Very Good Cond.
NH 489 Haybine
NH 411 Discbine, Excellent Cond.
JD 410 Round Baler, 4' Bale
JD 347T w/¼ Turn Chute, Very Nice
JD 347 Baler w/Ejector, Very Nice
JD 336 Baler w/Ejector
JD 327 Baler w/30 Ejector, Hydraulic Tension, Elect. Controls, Very Nice
NH 273 Baler w/70 Thrower, Baled 12,000 Bales, Excellent COnd.
NH 38 Flail Chopper, Like New
NH 847 Round Baler, Very Nice
NH 320 Baler w/Thrower, Very Good
NH 316 Baler w/¼ Turn Chute
NH 258 Rake w/Rubber Teeth
NH 851 Round Baler, Very Nice
NH 846 Round Baler, Excellent Condition
NH 1037 Bale Wagon, 105 Bale Capacity, Tandem Axle, Excel. Cond.
NH 1034 Bale Wagon, 105 Bale Capacity, Single Bale Unload, Tandem Axle, Excel. Cond.
NH 1002 Bale Wagon, 56 Bale Capacity, Very Nice
NH 1033 Bale Wagon Tandem Axle, 105 Bale Capacity, Very Nice
New Farmco 18' Steel Side Hay Wagons
NH 4 Star Tedder, Very Nice
Farmco Steel Side Hay Wagons, Used One Season, $16(SOLD) Each

YEAR END SPECIALS

1982 JD 4040 Dsl., Cab & Air, Power Shift, Very Nice, $19,500
IH 610 12' Offset Disc, $2,200
JD 7000 4RN, Dry Fert., Insect., Monitor, $4,200
JD 336 Wire & 30 Ejector, Great Cond., $2,200
NH 489 Haybine, $3,400
NH 162 4 Star Tedder, $2,100
Gleaner K w/Cab, 10' Grain Platform, 2 Row Corn Head, $3,250

MISCELLANEOUS EQUIPMENT

JD 350 Crawler Loader
JD 400 14' Rotary Hoe
JD 4 & 6 Row Danish Tine & Spring Tooth Cultivators
JD 27 (SOLD) Shredder
18x38-18x34-13x28-16x28 Duals
IH 2250 Quick Tach Loader to Fit 656, 666, 686
IH 4 Row Front Mounted Cultivator
JD 145-146-148-158-37 Loaders
Quick-Tach Loader to Fit IH 706 Thru 1486

NEW ARRIVALS

1982 MF 550 Dsl., Cab, Air, Chopper, 1400 Hrs., 23" Rubber, Very Nice
JD 7' Hay Pickup Head
1977 JD 4630 Dsl., Cab, Air, Quad, Triple Hydraulic, Very Good
IH 710 6x18 Spring Reset, Onland Hitch
1981 JD 4440 Dsl., Cab, Air, Power Shift, 3200 Hrs., Front Wheel Assist, Triple Hydraulics

TILLAGE

JD 1710 9 or 11 Tooth Mulch Tiller
JD 950 15' Roller Harrow
JD 12' AW Disc
JD 220 18' Hyd. Fold Disc
JD 310 12' Double Offset Disc
Hutchmaster 12' Offset Disc, Big Blade
IH 610 12' Offset Disc
IH 490 20' Hyd. Fold Disc
Brillion 14' Cultimulcher Dual Transport, Excel. Cond.
Brillion 12' Roller Harrow, In-Board Wheels
Rhino 18' Hyd. Fold Rock Flex Disc
Dunham 23' Hyd. Folding Cultipacker
Miller 12' Heavy Weight Offset Disc

CORN HEADS

JD 244 2RW
JD 443, 4RN
JD 444, 4RW
JD 444 Oil Bath
JD 643 Oil Bath
JD 643 6RN
AC F430 4RN
AC 238 Corn Head
AC 430, Black, 4RN
AC 438 Black 4 RW
MF 1163 6RN
MF 1143 4RN
MF 43 4RN
MF 33 3RN

PLANTING EQUIPMENT

JD 8300 21x7 Grain Drill w/Grass Seed & Press Wheels
JD 7000 12 Row Front Fold Liquid Fert., No-Till, Insect., Monitor, Folding Markers
JD 7000, 6RN, Conservation, Liq. Fert. Insect. Monitor
JD 7000 4RN Dry or Liquid Fert., Insect. & Monitor
JD 7000 4RW, Liq. Fert., No-Till Coulter, Insect., Monitor
JD 7000 4R Conservation, Dry Fert., Insect., Monitor, Frame Mounted Coulters

PLOWS

IH 735 5 Base Variable Width Spring Reset
IH 200 5x18 Spring Reset Onland Hitch
IH 720 5x20 Spring Reset, Onland Hitch
IH 720 6x18 Spring Reset, Onland Hitch
IH 720 6x18 Spring Reset
IH 720 5x18 Spring Reset
IH 720 4x18 Spring Reset
IH 710 4x18 Spring Reset
IH 710 5x18 Spring Reset
IH 710 6x18 Spring Reset
IH 700 4x16 Spring Reset

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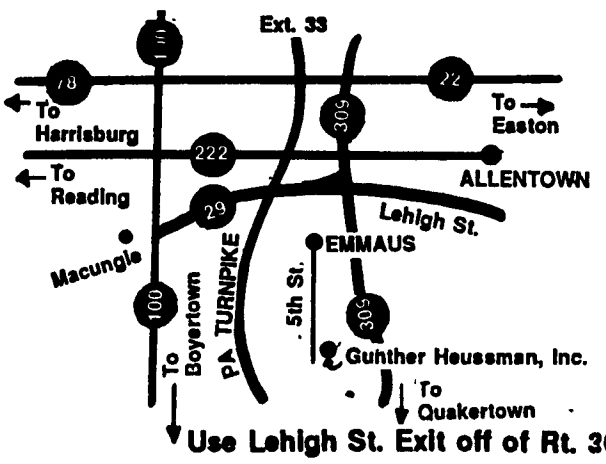

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1 FARM EQUIPMENT

USED EQUIPMENT

TRACTORS

Farmall Cub w/Cultivators (L)
White 2-63 Tractor/Loader/Backhoe

LAWN & GARDEN

Ford YT 12.5
Ford LT11 Lawn Tractor
Simplicity 4211 Lawn Tractor w/Mower
Cub Cadet 128 w/38" Mower
Cub Cadet 147 (L)
York Stone Rake, 4 Ft.

GRINDER MIXERS

NH 357

BALERS & HAY TOOLS

NH 275 Baler w/Thrower
NH 1495 Self-Propelled Haybine w/Perkins Engine (L)
NH 499 Haybine (L)
NH 411 Discbine (L)
JD 10 Side Mtd. Mower

SPREADERS

NH 519 Spreader
NI 214 w/Endgate
NI 354 w/Pan

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USED TRACTORS

JD 4455, cab & air, power shift, MFWD
JD 4450, cab & air, MFWD
JD 4050, cab & air, quad range, like new
JD 4250, cab & air, power shift, 1,300 hrs.
JD 4840, cab & air w/duals
JD 4630, SOLD air
JD 4440, cab, air, power shift
JD 4440, quad range, cab & air
JD 4240, cab & air, quad range, 1982
JD 4230, cab & air, quad range
JD 4230 fender, quad range
JD 4430, cab & air, sharp
JD 4430
JD 4320
JD 4040, cab & air, quad range
JD 4030, 4 post
JD 4020 diesel
JD 4010 diesel
JD 2840
JD 2640, 1982
JD 2555, cab & air
JD 2355, like new
JD 2240 w/cab
JD 2240 w/loader
JD 3020 diesel
JD 1450 w/950 hrs.
JD 850 w/mower
IH 5088, cab & air
IH 3688 w/cab & air
IH 1486, cab & air
IH 1086 w/cab & air
IH 1066 w/cab
IH 986, cab & air
IH 966
IH 826 diesel, 3,500 hrs.
IH 806 diesel
IH 706 German diesel
IH 584, 4WD w/loader
IH 574 diesel
IH 684
IH 886, 4 post
IH 350 utility, 3,500 hrs.
Ford 2000
Ford 5000, diesel
Ford 6600, gas
MF 2745, cab & air, 1,400 hrs.
MF 690, cab & air, MFWD
AC 5040, diesel
AC 185, diesel

New Ford 5610

INDUSTRIAL

NH 779 skid steer
Gehl 4510 skid steer
JD 310 TLB w/cab, excellent
Ford 455 loader w/3 pt. hitch & PTO
Ford 3400 loader
Case W14 articulating loader

NEW Case 1845C skid steer loader

USED PLOWS

White 6 btm. 16" spring reset plow
IH consertill 10'
JD 3 btm. roll over plow
JD 4 btm. roll over plow
JD 7 btm. on land hitch
JD 8 btm. 2800 varied width on land hitch plow
IH 710 8 btm. 18" spring reset, on land hitch
IH 710 7 btm. on land hitch
IH 720 4 btm. toggle trip
JD 2500 5 btm. 18" spring reset
JD 2500 6 btm. auto reset

USED COMBINES

244 JD corn heads
444 JD corn heads
443 corn heads
JD 215 flex head
JD 4400 diesel, 2,200 hrs., excellent
JD 6620, 1982, sharp

HAY EQUIPMENT

NH 478 haybine
NH 489 haybine, like new
JD 346 wire baler
JD 337 baler w/thrower, like new
NH 315 w/kicker, like new

MISCELLANEOUS

Fox Super D harvester
NI 2 row wide, 12 roll bed
JD 3RW harvester head, like new
IH 5100 grain drill
IH 22' flex head, like new
Kewanee hyd. fold 20' roller harrow, like new
1983 F350 Ford diesel roll-back w/Jerrdan body
18.4x38 Hub duals for Case IH 2096
IH 2350 quick-tach loader
Taylorway 25' disc
JD 110 disc
JD 115 disc
JD 310 disc
Kewanee 12' mulcher
JD 12' mulcher
Woods 15' Batwing mower

NEW NI 3626 spreader w/ tailgate

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JD 15 chuck wagon, good condition
Various oil burners
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Tractors

JD 4450 SGB, power shift, MFWD
1987 JD 4450 SGB, power shift, very nice
JD 4250 power shift, SGB, very nice
JD 4050 power shift SGB, MFWD
JD 2550 w/146 ldr., very nice
JD 1981 4440 SGB quad
JD 4440 SGB, power shift, very nice
1982 JD 4240 SGB, power shift, 2500 hrs., very nice
1982 JD 4240 SGB, power shift, very nice
JD 4630 cab, air, power shift hyd. front wheel assist
JD 4430, cab, air, quad, 1977 model
JD 4430 cab, air, quad, nice, 4400 orig. hrs.
JD 4430 cab, air, quad, nice
JD 1977 model 4030 diesel, 4 post, recent engine overhaul
JD 4320 w/fac. cab, 4400 hrs., very nice
JD 4020 w/cab & air, side console, power shift
JD 4020D 1971 model, WF, 2 hyd., nice

JD 450C crawler dozer w/6 way blade
Case 1835B skid loader, diesel

JD 4020D, power shift, WF, recent eng. overhaul
JD A 2 cylinder
Case IH 7110 Magnum cab, air, duals, wts., 125 hrs., 1991 model, like new
Case IH 7110 Magnum, cab, air, MFWD
IH 5288 MFWD cab, air, nice, '84 model
IH 3688 factory cab & air
IH 1586 factory cab & air w/new TA
IH 1486 factory cab & air w/rebuilt eng.
IH 1086 factory cab & air, new TA, 2600 hrs.
IH 1086 4 post ROPS
1980 IH 186 hydro, fac. cab & air, late model
1980 IH 986 factory cab & air
IH 986 factory cab & air, new TA, & clutch
IH 886 factory cab & air, 1752 actual hrs., very sharp
IH 886 factory cab & air, nice
IH 886 4 post WF & 3 pt.
IH 86 hydro, WF, 3PT, nice
IH 966 w/cab, 3 PT, 38" tires, clean
IH 966 diesel, 3PT, WF or NF, very nice
IH 1456 fender tractor, 20" rubber, nice
IH 1066 w/year round cab, sharp
IH 1066 fender tractor, sharp
IH 666, diesel, WF, 3PT, roll bar, sharp
IH 1026 hydro, WF, 3PT (rebuilt hydro)
IH 826 D, gear, 2PT, WF, sharp
IH 756D, WF, 3PT
Case IH 685 w/reverser & Case IH ldr.
IH 884 diesel, late style
IH hydro 84 w/rebuilt hydro and 2250 ldr.
IH 504 gas 3PT, NF
Farmall 504 gas, WF, 3 pt.
Farmall 560 gas w/fast hitch, very nice

Heads

MF 1163 6RN, very good
MF 1143 4RN corn head, good cond.
MF 1144, 4RW
MF 43, 4RN
MF 9115 flex head
MF 9113 flex head, like new
(2) IH 863 6RN
IH 844, 4RW
IH 943, 4RN
IH 820, flex 13'
JD 643, 6RN
JD 443, 4RN
JD 444 4RW; JD 444 oil bath
JD 343 3RN; 244 2RW
JD 216 flex, black reel
JD 213 flex black reel
JD 215 flex; JD 215 flex black reel
JD 100 Series 13' & 15' rigid heads
JD hay pickup head, 5½'

Uni Systems

NI 702 gas w/cab & air
NI 813 & 815 (low acre flex heads)
NI 767 Super chopper w/3RN and hay head
NI 725, 735, 738 corn heads
NI 727 husker
NI 711 grain head, nice

Implements & Misc.

White 271 rock flex, wing fold, 23' disc
NH 846 round baler
IH 720 5x16 toggle trip
IH 710 5x16 auto reset
White 5'x18" plow
JD 145 5x16 plow
MF 4x16" rollover plow
Dual wheels - 34's and 38's
Tractor Weights JD & IH
Wilrich 9 shank chisel w/front blades
IH 480 wing fold disk
IH 475 21' disk, hyd. wing fold
IH 475 manual fold
IH 35 disk, 10½'
Year round cab off IH 66 series w/air, nice
NEW WF for JD 3010 thru 4320
1 set of 23.1-34" tires & rims off IH tractor, 80%

Combines

1984 JD 7720 loaded, very nice
1975 7700 D turbo, hydro, nice
1977 6600 D w/404 eng.
1979 JD 4400D, cab, air, nice
JD 4400 D, cab, air, nice

Used Parts

IH 706 diesel
IH 1256
IH 70 hydro
IH 806 diesel & gas
IH 560 D
IH 706 gas tractor
IH dual PTO units
IH 826 diesel.
IH 1026 hydro
Farmall 400 & 450 D & gas
Farmall H & M
NI 713 & 715 grain heads
NI 702 D & 701 G & 702 G
NI 717 combine
JD 4020 dsl., powershift
JD 3020 G
IH 544 diesel, hydro Farmall
IH 504 utility
IH 856 diesel

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JD 8820 4WD, Full Equip. w/220 Flex.
1985 JD 6620, Side Hill, Titan II, Full Equip., Real Nice, w/215 Flex.
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1981 JD 6620 Side Hill Combine.
JD 6620 4WD w/215 Flex And 643 Corn Head.
JD 6620 LL, 1 Owner, Full Equipment, $20,000.
(77) JD 7700, C.A.
(75) 6600 D. Rotary Screen good.
JD 6600 Gas w/443 Cornhead, As Is.
JD (77) 4400 D., C.A.
JD 4400 Gas, 13' grain.
JD 4400D w/Fire Damaged Cab.
IH 1460, C.A., Hydro, 4WD w/820 Flex & 863 Corn Head.
MF 860 C.A., V-8, Hydro., 4WD w/9115 Flex & 1163 Corn Head.
MF 850, C.A., Turbo, Hydro., w/17' Flex And 6R Cornhead.
MF (78) 760 C.A., V-8, Hydro., 4 WD, w/2 Heads.
MF (76) 750 Cab, Air, Hydro
MF 550, C.A., Hydro., 4WD.
MF 550, C.A., Hydro.
White 8900, C.A., Turbo Hydro, 4WD w/2 Heads.
IH 915, Turbo Hydro, 4WD, w/810 Grain.
(77) IH 815 D., C.A. Hydro, 4WD w/810 Grain & 4R Corn.
IH (77) 715 D. C.A. w/810 Grain & 844 Corn Heads; IH 715 Gas, C.A. w/810 13' Grain; NH TR70 C.A. Hydro w/Cat Dsl.
IH 715 Gas w/Cab & 810 grain for $4,850.
N.H. TR70 C.A. Hydro.
Gleaner F2 D, CA, w/A430 Corn Head And 13' Flex.
Gleaner M w/15' Flex
N.I. 702 & 705 Uni-Systems w/Full Eq; NI 702 D. w/727 bed & 3R C.H.; NI 702 Uni w/727 And 735 Corn Head; 767 Super Chopper; NI 727 Husking Beds; NI 737 Husking Beds; N.I. 729A Shellers; NI Uni 740 Feeder House; NI Uni 838 Husking Unit w/841 Feeder House.

CORNHEADS JD 644, 643 Oil Bath, 643 LP, 643, 444 LP, 443 Oil Bath, 443 LP, 444, 443, 344, 343, 244, 243; 205 (40) 234, 435; JD 453, 454 And 653 Row Crop Head.
I.H 983; 963; 863, 844; 833; 744; 743; 327; 3R; 227.
Gleaner A638 Corn Head; ML 630; A.C. GL 440, C440, A438 Black, A630 Black, L2, M430, Gleaner C430 C.H., F335.
M.F. 1163, 1144, 1143, 63, 44, 43, 24, 222, 422.
N.I. 738, 743, 730, 734, 725, 723, 762, 763; Ford 4-30"; Case (404).
NH 974 N6; NH 974 W6; NH 962 N3 & 962 W4; NH 962 6RN; NH 924, 4RW; White 706N; Oliver White 4N; White 703.

GRAIN HEADS: J.D. Used 12'-15' Incl. 213 & 215 Flex & (2) JD 216 Flex; 213, 215 Rigid; JD 216 Rigid.
820 16½' Flex.
I.H. 810-13' Thru 17.5' w/ Reg. or Floating.
M.F. 10'-16' Reg. or Floating Bar; A.C. E10'.
N.I. 713 Flex Or Rigid; NI 715 S Flex.
NH 960, 13' and 16'; E 10' Grain Head.

TRACTORS:
JD 8850 4WD, C.A., 3 Pt., PTO., Fully Equipped; JD 8650 4WD w/3 Pt. And Duals; JD 4850 C.A.P.S., MFWD, Full Equip., Real Nice; JD 4850 C.A.P.S., MFWD, And Duals; JD 4650 C.A.P.S., Real Nice; '86 Model 4450, C.A.P.S., MFWD; JD 4450, C.A.P.S., MFWD, Real Nice; (85) JD 4250 C.A.Q.R.; 4050 C.A.P.S., MFWD, Real Nice; JD 4050, C.A.Q.R., 1900 Hrs., Excellent Cond.; JD 2950 CA, MFWD; JD 2950, ROPS, MFWD; JD 4050, ROPS, QR; JD 4050, ROPS, Power Shift; JD 2950 C.A., MFWD; JD 2950 MFWD w/Rollguard; New JD 2355; JD 2550 w/175 Loader, Like New; JD 8640 C.A., 3 Pt., PTO w/Duals; JD 8440 C.A., 4WD; JD 4840 C.A.P.S., Duals; JD 4840 C.A.P.S. Duals & Quick Hitch; JD 4840 C.A.P.S., w/Duals; JD 4640 C.A.P.S., 18x42 Duals; JD 4640 C.A., QR, Duals; JD 4640 C.A.Q.R., 18.4x42 Duals; JD 4640 C.A.Q.R.; 4640 C.A.P.S.; 1981 JD 4440 C.A.P.S.; 1982 JD 4440 C A.Q.R.; JD 4440, C.A.Q.R., Nice; JD 4440 C.A.Q.R.; JD 4440 C.A.Q.R.; JD 4440, ROPS, Q.R.; (82) JD 4240 C.A.Q.R.; (81) JD 4240 C.A.Q.R.; JD 4240 C.A.Q.R.; JD 4240 C.A. w/Creeper Trans; JD 4240, ROPS, QR; JD 4040, C.A.Q.R., Nice; JD 4040 Fender, Power Shift; JD 2940 MFWD; JD 2940 MFWD w/ROPS; JD 2840 w/Cab; JD 2840 w/ROPS; JD 2840; JD 2640 w/Hi-Lo; JD 1982 2440 w/146 Loader; JD 2040; 4630 SR w/Cab & Air; JD 4630 Fender, Syncro Range; 4430 C.A.P.S.; JD 4430 C.A.Q.R., 20.8x38 Radials; JD 4430, C.A.Q.R.; JD 4430 Fender, QR, As Is; JD 4230 C.A.Q.R., Nice Cond.; JD 4230 C.A.Q.R.; JD 4230 CA, Syncra Range, Nice; JD 4230 C.A.Q.R.; JD 4230 C.A.Q.R., As Is; 4430 ROPS, Syncro Range; JD 4030 Quad Range w/Cab; JD 4030 w/158 Loader, 1000 Hrs. On Overhaul; JD 2630 Full Equipment, Local Trade, Real Nice; JD 7520 C.A., 4WD, Needs Motor Work; JD 5020 (Needs Motor Work); JD 4520 ROPS, PS; JD 4320, Real Nice; JD 4320; JD (6) 4020's 1964-1972; JD 4020 S.C., WFE, 2 Hydraulics, Diff. Lock; 4020 S.C., W.F.E.; 4020 WF, Powershift, Orig. Paint, New 18.4x34's; 4020 S.C., W.F.E.; JD 4020 Dif. Lock, 2 Hydraulics; JD 4020 Tricycle Dsl., Side Console, Nice; JD 4020 w/Cab, Real Good; 1972 JD 4000 w/Cab; JD 4000 D WFE; JD (72) 3020 Tricycle Dsl.; JD 3020 D, WFE, Power Shift; JD 3020 Dsl., WF; JD 3020 D Tricycle; JD 3020 D, WFE; JD 3020D, WFE; 2520 Dsl.; JD 3020 G; JD 2020 Gas, Real Nice; JD 2020 Dsl.; JD 4010 WFE, Nice; JD 4010 Tricycle, Gas, w/Cab, Nice; (2) JD 3010 D WF; JD 3010 D., Tricycle, JD 3010 Gas; JD 3010 Gas, Tricycle; JD 3010 Gas w/ Loader; JD 2510 Tricycle, Gas; JD 730 Dsl. w/3Pt., Good Cond.; JD 730D; 1950 JD D.

IH 5488, C.A., MFWD, 20.8x38 Duals; IH 5488 w/Duals; IH 5488, C.A., Duals; IH 5288 CA w/20.8-38 Duals; 5088 C.A. w/New 20.8x38 Radials; IH 5088 C.A.; 3588 2+2, C.A.; IH 3588 2+2, C.A.; IH 3388 2+2; IH 1586, CA, Duals; IH 1586 C.A.; IH 1586 C.A. (Needs Trans. Work); IH 1486 C.A. Duals; IH 1486 CA; IH 986 C.A.; IH 986 ROPS; IH 186 Hydro, ROPS; 886 w/R.G.; F786; F686 Original; Farmall 86 Hydro w/2250 Ldr.; IH 4166 4WD, w/3 Pt. And PTO; IH 1466, C.A., 18.4x38 Duals; IH 1066 w/Cab; F 1066 Fender, Original; IH 1066 (Needs TA); IH 1066 Fender; 1566 w/Cab; 1466 w/Cab; 1466, C.A.; IH (76) 1466 w/ROPS; 1466 Fender; IH 966; IH 966D, WFE, TA, 2 Hyds.; 966 Fender; IH 766 C.A.; F766 w/Factory Cab; 766 Fender Dif-Lock, New Tires; Farmall 666, Dsl., WF; IH 1026 Hydro; Farmall 826 Hydro, Nice; IH 826 Dsl., WF; IH 784 MFWD; IH 684 Row Crop Utility; 574 D. w/Loader; IH 574 Dsl.; Farmall 544 Gas, WF, 3 pt.; IH 544 Utility Gas; IH 444 U. Gas w/IH 1501 Loader; Farmall 856 Dsl., Nice; 756 Dsl., WF; Farmall 656 Dsl., Hydro, Real Nice; IH 1206; F560 Gas, WF, Nice; IH 560 Standard Dsl.; Farmall 560 Dsl.; Farmall 400 Tricycle w/PS And Loader; Farmall 350 Tricycle w/PS, FH; Farmall 200; Farmall 100, Hi-Clearance w/ Cultivators; Farmall 100 w/Woods Mower; Farmall 350 w/Fast Hitch, Very good Condition; Farmall M; Super H; Farmall C; IH Super C w/Ldr. And Fast Hitch Equip..

AC (84) 8070 C.A.P.S.; AC 8070 C.A.P.S. w/Duals; AC 8050 C.A.P.S., MFWD; AC 8050 C.A.P.S., w/470 Loader; AC 7060, C.A.P.S., Real Nice; AC 7020 CA, 20 Spd.; AC 7010 C.A., 20 Speed; AC 7010 C.A.P.S., w/AC 470 Loader; AC 200 w/Cab; AC 200 D original; AC 185; AC 180 Dsl., WFE; AC D17 Series IV D. 3 Pt., WFE; AC D21 Series 2; AC C.A. w/Plow And Cultivator.

(86) Deutz Fahr DX 8.30A, 190 HP, C.A.P.S., MFWD, Nice; Deutz 5506 w/Dunham Lehr Loader, Nice; Deutz Fahr DX 830 C.A.P.S., MFWD.

CASE IH 3294 CA MFWD, Radials, Real Nice, Case 2294, C.A.P.S., MFWD; Case 2294, C.A.P.S., 1200 Hrs., Like New; Case 2094 C.A.P.S., MFWD; Case 4890 4WD Full Equipment; Case 2590, C.A.P.S., 20.8x42; Case 2390 C.A.P.S., Duals; Case 2290 C.A.P.S.; Case 2090 C.A.P.S., 20.8x38; Case 2090 C.A.P.S.; Case 2290, C.A.P.S.; Case 1690 C.A., MFWD; Case 1690, C.A.P.S.; Case 1390; 1983 Case 1290, MFWD w/Case 56 loader; Case 2470 4WD, C.A., 3 Pt. & PTO; Case 1070 w/ Cab (As Is); Case 970; Case 830D WFE; Case 730 Gas w/3 Pt., WF; Case 530 w/Power Steering And 3 Pt.; David Brown 1210 (As Is).

MF 3545, C A, MFWD, MF 2805 C A., 24 Speed, w/Duals, MF 2745, C A., 24 Spd., Real Nice, MF 2705 C A, 24SP, MF 2705, C A, 8SP, MF 2705, C A P S, MF 2675 C A 24-Speed, MF 1150 w/ Cab, MF 1150 Fender w/Duals, MF 1135 Fender, MF 1100, MF 165 U Gas, MF 135 Dsl, w/Ldr, MF 85 Dsl, Original, MF 65 Tricycle Dsl, MF 50 Dsl, WF, PS, Real Nice, MF 35

Ford TW30, C A., MFWD, Ford TW30 C A., Duals, Ford TW10, ROPS, Dual Power, Ford 7710 C A, Nice, Ford 8700 C A., Dual Power, Ford 7700 w/Roll Guard, Dual Power And Load Monitor, Ford 7700 ROPS, New 18 4x34 Tires, Ford 8000, Ford 5000 Dsl, WF, Ford 5000 Gas, One Owner, Original, Ford 3000 w/PS w/Ford 772 Ldr, Ford 2000 Gas w/Ford Loader, Ford 8N, Ford 8N, Good Cond, Ford 8N, Ford 9N w/Snow Plow

Versatile 500 4WD, Full Equip

White 2-155 C A., MFWD, WHITE 2-135, C A., White 2-105 w/ Hiniker Cab, Good Cond

OLIVER 1855 MFWD, Oliver 1755 dsl, wfe (needs clutch), Oliver 1655 D, WFE, Oliver 2050, Oliver 1650 D, WFE, Oliver 77 WF, MM G1000 Nice

Steiger Bearcat 2 w/Duals & 3 Pt.

Tractors & Equip Just Traded

1086 C A. 20 8x38 Tires, JD 4030 ROPS, Brillion 18 Ft Wing Harrow, IH 11 Ft Soil Saver, JD 2940 w/ROPS, JD 1209, IH 3414 w/ Ldr, Deutz Fahr 3 Pt Tedder Rack, Ford 1300 D, MFWD, JD 2940 CA; JD 555A Crawler Loader, AC 7030 Fender, MF 1080, Oliver 1755, Wood Chipper

CORNPICKERS. (4) (Used) 325-2RN w/12 Roll Husker, Shellers & Super Shellers, New Idea 325 Picker w/12 Roll Bed & Super Sheller, Real Nice, NI 325 w/12 Roll Bed, Good Cond, (4) (Used) 324-2RW w/12 Roll Huskers; NI 324 Picker w/8 Roll Bed, Shellers & Super Shellers; NI 323 Nice, NI 323, NI 323 Picker; NI 330 3R Picker w/12 Roll Bed

New NI 329 Super Sheller List $6700 00, Special $3,550; NI 330 - 3 RN w/Supershellers, 325 2RN w/Grinder

PICKER. NI 319 Mtd, NI 319 2 Row Mounted Picker w/12 Roll Bed

FORAGE EQUIP. Forage Harvesters w/Choice of Heads.

JD 5400, C A, 4WD w/3 Row & Hay Pickup, Good Cond, JD 5200 4WD Chopper w/Dura Drum Head, JD 3970 w/7' Pickup, JD 3960 w/2 Heads, Full Equip, JD 3940 w/2 Heads, JD 3940, JD 3800 w/2 Heads, JD 3800 Chopper, Hay Pick-Up, JD 3800 Harvester, w/2R Corn Head JD 3960 w/3R Cornhead, JD 3960, JD 35 Chopper, JD 34 Chopper w/1 Row And Hay Pickup

NH 1890 4WD w/3 Row Auger Base & Hay P U, Good Cond, NH 900 Chopper, Like New, NH 900 Chopper, NH 890 w/Electric Controls, 2R Corn & Hay Pickup, NH 782 w/824 Corn Head And Hay Pickup, Good Cond, NH 770 w/ heads, NH 770 w/822 Cornhead, NH open end hay pickup heads, 6', IH 720 w/2R And Pickup, Good Cond

Gehl 1200 Tandem Axle Chopper w/3R corn Head And Hay Pickup

Field Queen Self-Prop Chopper w/ Cab And 2 Heads

NI 709 Uni, 4WD, w/767 Chopper

NI 708 w/767 Chopper And 768 3R Corn Head, Hesston 7020 w/Hay Pick-Up

Fox Super D w/Cab 3R C H & PU

Gehl CB 1200 Chopper

Balzer 1014 Hydraulic Dump Station

FORAGE HEADS. NH 824 Corn Head, NH 717-S Direct-Cut for 770 & S717, 890 EN-2RN Snapper, 770-1R Snapper, (3) NH 822 Silage, NH 890 w/2 or 3R C H, NH 890 2R Snapper Head, NH 890 Direct Cut Head, 1, 2, & 3R Silage, NH 880W PU, NH 880 S Direct Cut, NH 890 N3 3R Corn, Incomplete, NH 974 4RN Corn Head w/Adapter Plate

J D 2 & 3R Snapper, 2 & 3 R Silage, Used 5½ ' and 7' Hay Pickups, JD 443 Low Profile Corn Head w/ Adapter Plate For Harvester, JD 343 Cornhead w/Adapter Plate, JD 243 C H w/adapter plate, 3 JD C H harvester adapter plates

IH 2R Snapper Head, 2RN for 650, NI 766 Hay PU, Gehl 2RN Corn Head, Gehl HA900 Hay Pickup

NI 768 WN 3R Corn Head, NI 763 3R Corn Head

2 CSB 2RW - Snapper, 263 2 RW, 109 Hay Pickup

BLOWERS. NH 27 Blower, Farmhand Burr Mill Blower

FLAIL CHOPPERS. JD 16A Flail Chopper; JD 27 Stalk Shredder, MC 6 Row Stalk Shredder, NH 38 Flail, Good Condition, Gehl 7200 Flail Chopper

SILAGE WAGONS. Kelly Ryan Dump Station, JD 716 Tandem Axle w/ Roof, JD 716A Tandem w/Roof, JD 716 Tandem Axle 3 Beater w/ Roof, JD 716A Tandem w/Roof, Real Good

HAY EQ., BALERS IH 8540 Baler w/ Thrower, Real Nice, Deutz Allis HD 490 Baler w/Thrower, Like New, JD 466, JD 347 Baler w/ Thrower, JD 347 w/Thrower, JD 337 w/Thrower, JD 327 Baler w/ Thrower, JD 327 Baler w/ Thrower, JD 346 w/Thrower, JD 336 w/Thrower, JD 336 w/ Thrower

Ford NH 326 Baler, 3 Yrs Old, NH 425 Wire Tie Baler, NH 320 w/New #70 Thrower, NH 320 Baler w/70 Thrower, NH 320 Baler w/¼ Turn Chute, NH 316 Baler, Real Nice, NH 316 w/#75 Thrower, Real Nice, NH 315 w/70 Thrower, NH 315 w/Thrower, NH 315 w/70 Thrower, NH 310 Baler w/70 Thrower, NH 276 Baler w/ Thrower (Wrecked), NH 273 On Steel, NH #75 Ejector, IH 445 Baler w/#15 Thrower, Hesston 4600 In Like Baler w/Thrower, JD 410 Round Baler, NH 849 Round Baler w/Auto Wrap, NH 848 Round Baler w/Memory Wrap, NH 851 Rd, NH 847 Auto Wrap, Real Nice, NH 847 w/Auto Wrap, Like New, NH 847 Auto-Wrap NH 847 Round Baler w/Auto Wrap, NH 846 Round Baler, Manual Tie, Like New, Gehl 1400 And 1500 Round Balers

RAKES

NH 259 Rake, JD 670 Rake w/Dolly Wheel, IH #96 Hydraulic Drive Rake w/Dolly Wheel, JD 3 Pt Hay Rake, MF Hay Rake, (New) PZ 420 Rake, New Grimm 4-Star Tedder, Grimm 7' Tedder, Pequea 710 Hay Tedder, Kuhn 4 Star Tedder, Deutz Fahr KH500 Tedder, Pequea 8' Ground Drive Tedder

Fisher Hay Windrow Turner, Pequea 466 Windrow Turner

HAYBINES (1982) NH 1495 D C A. Hydro, 800 Hrs, NH 1495 Dsl, C A, Hydro, NH 1495 D Hydro w/Half Cab, NH 1495 Gas w/Cab, NH 1495 Gas Haybine, NH 499 Hydro Swing Haybine, Very Nice, 495, 489, NH 479, 478, NH 467 And 477, JD 1327 Discbine, Real Nice, JD 1219, JD 1327 Discbine, Like New, Deutz Allis SM-70 Discbine

New MC 7E, NI 272 and 279 Cutditioners, NH 1005 and 1010 Bale Wagons, NH 1030 Bale Wagon, NH 1002 Bale Wagon w/Tier Type

PLANTERS AC 333 6R No-Til Planter; JD 7000 8 Row Planter w/Dry Fert, JD 7000 6R Cons, Dry Fert, JD 7000 6R Cons Liq, JD 7000 4R Liq; (Used) 7000-6R Cons Liquid w/No Till, JD 7000 6R Conservation, Dry Fert, JD 7000 6R Corn Planter, Dry Fert, JD 7100 6R Planter, 3 Pt, JD 5R Splitter w/No-Til JD 7000, 6RW Plate Planter JD 7000 4R Consv Dry Fert 7000-4R Dry & Liquid (2) JD 7000, 4R Dry Fert, Full Equipment, JD 7000 4R Plate Planter, JD 7000 4R Planter, Dry Fert, Real Good, IH 800 4RN Liq Plate Planter, IH 56 4R Planter, Hiniker 4R Econotill, No-Till, w/Kinze Units, White 5100 6R Planter, Fu SOLD pped, Whi SOLD Corn Planter, Dry Fert

DRILLS. JD 8300 21x7 DD, JD 8300 21x7 Single Disc Drill, JD 8300 Drill, 21x7 DD, JD 8250 18x7 DD w/Fert & Grass Seed, JD 1500 3 Pt Power Drill, JD 9300 Tandem Drills, Tye 24x6 Drill, IH 5100 21x7 DD w/Press Wheels, IH 5100 24x6 Single Disc w/Grass Seed, Like New, IH 5100 Drill, 21x7 w/Press Wheel And Seed, 510 24x6 Double Disc, IH 510 18x7 DD Drill w/Grass Seed, (New) Brillion 10' Transport Seeder Brillion 10' Transport Seeder

GRINDERS/MIXERS JD 750 Grinder Mixer w/Hay Feeder, Owatonna 450 w/Scales, Bearcat 1250, Allied Tuffy, Roto Grind Tub Grinder

TILLAGE EQ PLOWS Ford 2X Rollover, Fast Hitch 3X Plow, Ford 3X Plow, Ford 140 3X Spring Reset, IH 450 3X Spring Reset, JD F325 4X, 3 Pt, Hydr Reset Plow, JD 1250 4X Plow, JD 145 4X Plow, JD 4x16" Roll-Over Plow, JD 8450 4X Rollover Plow, IH 700 4X Spring Reset Plow, IH 700 4X Reset, IH 550 5X, JD 1450 5x18 Plow, JD 2600 4X Trip Plow, JD 2500 5x18" Spring Reset Plow, New Taylorway Pittsburgh 5X 18" Spring Reset, White 549 5x18" Plow, IH 710 5x18" On-Land Hitch Plow, Oliver 546 5X Trip Plow, Case 400 6X Spring Reset Plow, IH 720 6x18 Plow, IH 720 6X Reset Plow, IH 720 6x16 Spring Reset On-Land, IH 720 6x18" On-Land Plow, White 508, 6X Reset, 6B Semi, IH 700- 6x16 Spring Reset, White 549 5-6x18 Spring Reset, JD 2700 6X Plow, Case 400, 6x18 Spring Reset On Land, (2) JD 945, 5X Semi Rollover, (2) JD 2800S, 7X, JD 2800, 7X Onland, IH 710, 7X Onland, JD 2800 7X On Land, JD 3600 8X Spring Reset, On Land, JD 2800 8X Plow

CHISEL PLOWS Bush Hog 8', Glencoe 10' Pull Type Chisel Plow, JD 1600, 12' Chisel, Brady 12' Chisel Plow, Brillion 12' Chisel Plow, AC 13' Chisel Plow, Bush Hog 10' w/ Buster Bar, JD 1610 20' Fold, Chisel Plow, Good Cond

DISCS. JD 3 Pt 7' Disc, Hutchmaster 8' Off SOLD Miller 9' Offset Disc, AC 3100 10' Offset Disc, Oliver 12' Disc, Bush Hog 245 14' Offset Disc, Miller 10' Offset Disc, White 281 12' Offset Disc, IH 770 10' Offset Disk, Like New, IH 770 20' Hyd Fold Offset Disc, Case 14' Heavy Disc, JD 310 14' Disc, JD 210 13' Disc, JD 210 14' Disc, Real Nice, JD 215 Disc, JD 215 Disc, Miller 12' Offset Disc, White 15' Offset Disk, IH 496 18' Hyd Fold Disc w/Buster Bar, IH 475 20' Hyd Fold Disc, Case F21 21' Hyd Fold Disc, IH 475 20' Hyd Fold Disc, Dunham Lehr 34-20' Rock Flex Disc, Rhino F90B 22' Hy Fold, Rock Flex, JD 235 23 Fold Disc, JD 230 24' Hyd Fold Disc

MULCH TILLERS Glenco 7 Tooth Soilsaver w/New Blades, Landoll 7 tooth soil saver, Glenco 18' Fold Soil Saver, Glenco SS18 Fold Soil Saver, Rhino 890 5 Tooth 7' Soil Saver, Like New, Landoll 20' Hyd Fold Soil Saver

CULTIMULCHERS. JD F950 12', Brillion 12' And 15' Cultimulchers, Brillion 13 Ft Cultimulcher, Brillion 13', Brillion 14' Cultimulcher, Dunham Lehr 15', IH 415 12' Cultimulcher

CULTIVATORS JD 4R Front Mount Cultivator, JD AT 40 4R Front Mount Cultivator; IH 68 4R Front Mount Cultivator, McKee 4R S Tine, McKee 4 Row S-Tine Cultivator, (2) JD RG 4, JD & IH 6R 3 pt., JD 6 Row Cultivator, AC 6 Row S-Tine, Brillion 6 Row HD Cultivator w/8 Row Wings, IH 65 6 & 8R Front Mounted Cultivator JD 8R Cultivator, 8R S Tine Cultivator 8R Fold S-Tine Cultivator, JD 1010 28' Hydraulic Fold Field Cultivator, J SOLD Fold Field Cultivator, Brillion 20' Hyd Fold Field Cultivator White 283 20 Hyd Fold Harrow, Brillion 23 Hyd Fold Field Cultivator Vicon 14' Power Harrow.

MISC. JD 400 - SOLD Dry Hoe, Brillion 21' Hyd Fold Packer Brillion 23 Fold Packer, Brillion 21' Fold Packer, 5 Shank V-Ripper, Brillion 7 Shank V-Ripper, IH #11 5&7 Shank Spring Reset V-Ripper

INDUSTRIAL IH 3444 Diesel Indust Tractor Loader w/3 Pt And PTO, IH 3616 Dsl w/Ldr, New Arps 740 3 Pt Backhoe, MF 2200 Dsl Forklift, As Is

1978 Case 580C Dsl L, B, ROPS, Cab w/Heat, Case 580B LB w/ ROPS, AC 715B L & B, JD 300 Gas Loader Backhoe, IH TD14, Angle Blade, $2,995, IH 500 Dsl Crawler w/6-Way Blade, JD 450C Crawler Loader, JD 555 Crawler Loader, 4 In 1 Bucket For JD 450

SKID LOADERS. Bobcat 533 D Skid, Case 1816 B Skid Loader, Case 1740 Dsl Skid Loader

LOADERS & BLADES. JD 58, 145, 146 w/Grapple, 148, 260, 280, IH 2455 Loader, IH 2355, Like New, IH 2350, 2250, 2050, 2000, Case 66 Loader, Farmhand #258 (JD 4230), MF 236, Ford 720 Loader, Artsway HD loader for 4WD, Westondorf 64L, AC Loader For D17, Ford Ldr For 8000 Etc, JD Fork Attachment, JD 8' Dozer Blade For 4430, Etc, Leon 12' Heavy Duty Front Blade, Amco 905 Heavy Front Blade, York 8' 3 Pt Stone Rake, JD 155 9', Fast Hitch 8' Blade

LAWN & GARDEN. JD 600 AMT, JD 950 w/PS And Bush Hog Quick-Tach Loader, Farmall Cub w/ Equipment, JD 855 4WD Hydro, JD 600 5 Wheeler, Cub Lowboy, Cub Cadet 582 w/Ldr And Mower, Cub 184 w/Mower & Creeper Trans, Cub 154 Lo-Boy, With Creeper Trans, 154 Lo-Boy w/3 Pt, Cadet 782, 1100, JD 935 D w/ Front Mower, JD 420 Dsl w/ Mower, JD 400 w/Cab & 3 Pt, JD 400 w/Mower, JD 318, 317, 316, 214, 212, 210, 160, JD 318 Blade & Snow Blower, (New) Johnson Loader For Cub Loboy, Snowblower For JD 300 Series, Loader For JD 318

New Yanmar YFL 1000 Ldr

ROTARY CUTTERS. JD 1508 Wing Cutter; Woods C80 Rotary Cutter, Woods 6' 3 Pt Cutter; 10' Offset Cutter

Hardy H360C0 Ditch Bank Cutter

SICKLE MOWERS. NH 450 3 Pt.

MANURE SPREADERS (New) Gehl 1460 Scavenger Spreader, New H&S #235 Single Axle Spreader; New H&S #310 Tandem Axle Spreader, Gehl 315 Tandem Side Spreader, NI 354 Tandem Spreader, NI 354 Tandem Spreader, Martin V3300 Tandem Tank, Martin 3400 Gal Tank w/ Injectors, Martin Manure Auger, 4 Shank Manure Injector, NH 688 Tandem Tank Spreader, NI 214 Spreader

New Killbros Bins & Running Gears

MISC EZ Flo 475 Grain Cart, JD 1210A Grain Cart, Knight Little Auggie Feed Mix Wagon w/ Scales, Schwartz Feed Wagon (New) White 8' Pull Type Earth Pan, 5½' 3 Pt Box Scraper, Powell 3R Transplanter (New) Mayrath 32' Elevator Martin Research #40 Rubber Tracks For Combines, Etc; Riteway Rock Picker, Farmhand 8' Snow Blower, JD Quick-Couplers, JD WF, 4WD, I H Flat Top Fenders For 706-1466; I H 66 Series Cabs, Damaged IH 84 Series Cab, Year Round Cab For 4320, J D & I H Front & Rear Wts, JD 243 Corn Head w/Adaptor Plate; New WFE For Ford 7700, Case Motor For 970

J D Roll-Guards.

STRAW CHOPPERS For J D 4400, 6600, 6620, 7700, M F 510.

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IH 1086 C.A.	$ 8,900
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1973 JD 6600 D. C.A. w/Grain Head	$ 3,500
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M F. 510 Diesel w/Cab & Q.T. Grain	$ 2,900
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JD 4400 Gas	$ 3,500
MISC.	
NI 702 Gas, w/Cab, 726 Bed & 2R Corn Head	$ 1,975
NI 325 w/12 Roll Bed	$ 3,500
IH 800 4 Row Plate Planter	$ 2,900

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Gehl 4610 Skid Loader
Case 480E Loader/Backhoe w/14' Hoe
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MISCELLANEOUS

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JD 10 Ft. Disk Harrow

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JD 830 Self Propelled

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White 5100 Air Planter, 6-Row Granular
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Assortment of Gehl 99 Forage Blowers
NH 27 Blower

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NH 320 baler w/70 thrower $3,950
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NH 477 Haybine, 7' $2,500
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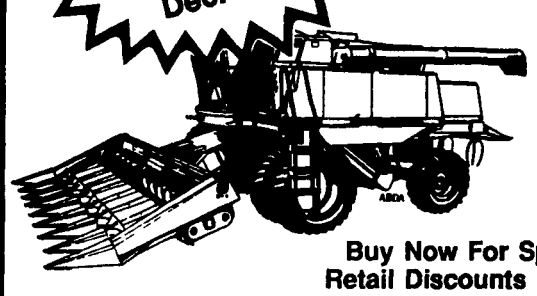

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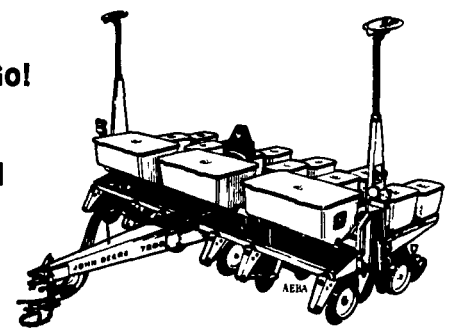

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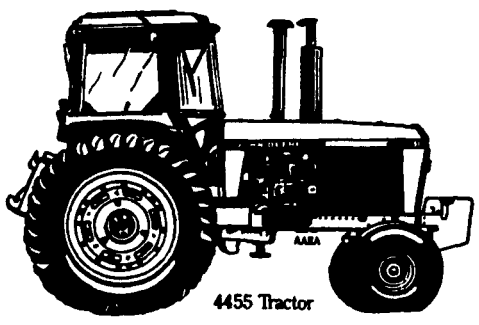

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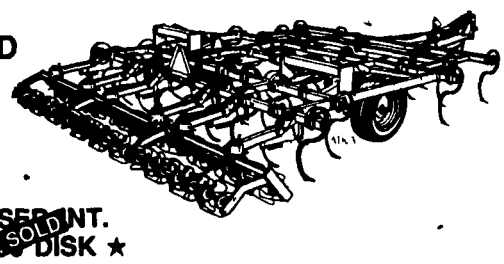

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1987 Cub Cadet, Model 1872 18HP, w/50" Deck
Cub Cadet 1862, 18HP, PS, 46" Deck, Like New!
Cub Cadet 682, 17 HP w/44" Deck
Toro 7 Gang Pull-Type Golf Course Mower
(1) National 3-Gang Triplex, 1987 Model, 68" Cut- Was $2,000 - Now $1,800

PLANTERS:
AC 600 6-Row Narrow Air Planter, No Til, Ex. Cond.
IH 510 21x7 Plain Grain Drill w/Press Wheels - Needs Work, $2,200

TILLAGE:
IH 37 Disk Harrow
IH 350 Disk Harrow, 28 Disks, 7½ Spacing
White 598 4/5-Bottom Vari-Width Plow, Auto Reset (Case IH Bottoms)

HAY & FORAGE:
NH 460, 9 Ft. Mower Conditioner
NH 479, 9 Ft. Mower Conditioner
NH 315 Baler w/No. 58 Thrower
NH 1495 Self Propelled Windrower
Case IH 990, 9 Ft. Mower Conditioner
JD LR24 Rake
JD 716 Forage Wagon, No Roof, w/JD Running Gear, Tandem Axle
Badger Forage Box w/Tandem Axle
IH 51 Forage Box- Nice Shape!

MISCELLANEOUS:
John Blue 400 Gal. SS Pull-Type Sprayer
John Blue Model 700 500-Gal. Sprayer - New!!
NH 302 Liquid, Side Discharge Spreader, Single Axle, Nice Shape
FMC DO-25 300 Gal. w/Gun & Hose Reel, Trailing Model, 2 Cyl. Kohler Engine, Like New
LPL 200 Automatic Roller Mill, 3 Hp. Motor, Vert. Auger - Like New - $2,400 Now $1,900!
Work Saver Front 3 Pt. Hitch Package For Case IH 685 Tractor- $1,800

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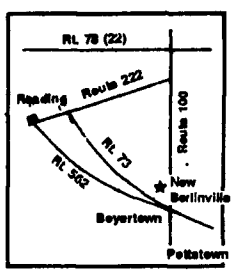

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White 2-155 w/cab, air cond., 2 remotes, 1137 hrs.

White 2-45 Single Remote, 2627 hrs., 45 HP

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IH 2500A w/mid mt. hyd. boom flail mower	$9,000
IH 1486 4 pst, TA, dual PTO	$8,500
IH 1486 4 pst 20.8x38 tires	$8,500
White 2-150, solid	$7,500
AC 7580, rent, lease, buy	$15,500
IH 1586 4 post, dual PTO	$9,600
IH 1566, 1976 model	$7,900
IH 1466 cab/air, '76 model, sharp	$8,500
Case 1740 diesel skid loader	$4,200
Case 1030 diesel	$4,600
MF 1130 parts or repair	$3,000
MF 165 dsl.	$4,200
Satoh 25HP mower deck, new blade	$4,500
JD 420 dozer, fair cond.	$2,800

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Glenco 9 Shank Soil Saver
Brillion 14 Shank, 3 Pt. Chisel Plow
DMI Tiger II, 7 Shank V Ripper
Agri-Pack Silage Bagger
500 Gal. Trailer Sprayer w/S.S. Tank, John Blue Pump, Foam Marker, 35' Hyd. Boom
NH #30 Silage Blower
International 620 Press Wheel Grain Drill
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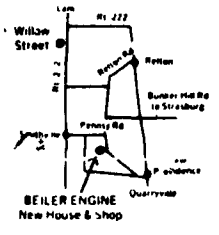

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Case IH 2200 and 2250 Loaders
Case 530 Spreader
Case IH 415 Packer Mulcher, 10'1" Demo
Case IH 8360 12' Hydroswing
Case IH 5100 20x6 Plain Drill - Old Price!

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Case IH Uniloaders - 1845C, 1825 Diesel - call now!
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Case IH 181 Min. Till Rotary Hoe
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Case IH 8340 Mower Conditioner, 9 ft.
Case IH 530 & 540 Spreader
Case IH 2255 Loaders
Case IH 1043 4-Row Cornhead
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JD 4250 Tractor w/Cab, MFWD, Power Shift, 2100 Hrs.
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JD 4010 Tractor w/WF
JD 2640 Tractor w/Ldr.
JD 850 Tractor MFWD w/ Loader & Backhoe, Only 365 Hours
JD 4030 Tractor w/2 Post Roll Guard & Canopy
JD 3010 Dsl., Tricycle Tractor
JD 3020 Gas, WFE
JD 4430 Tractor, Power Shift w/Cab
JD 3020 Gas Tractor w/WF & Loader

HAY EQUIPMENT
JD 1209 Mower Conditioner
JD 1209 Mower Cond. w/ Kwik-Cut Knife
JD 346 Baler
NH 489, Used One Season, Excellent
NI 279 Cutditioner, 540 PTO
NH 411 Discbine, Rolls Good, Hyd. Tongue Pos., Hyd. Header Tilt
NH 268 Baler w/Ejector
NH 890 Forage Harvester w/5¼ Pickup & 2 Row Wide
NH 717 w/Low Profile 1 Row Corn Head 5' Hay Pickup & Direct Cut Hay Head
NH 489 Mower Conditioner, Good Cond.
Vicon KM 321 Disc Mower Conditioner

PLANTERS
Used JD 8250 Grain Drill
AC 333 4 Row, Air Champ., Dry Fertilizer
AC 600 4 Row, Plate Planter, Dry Fertilizer, Fair Shape
JD 7000 6R Consv. Planter
JD 1440 Corn Planter w/Liq. Fert.
JD 54 Manure Spreader, Good Cond.
Krause No-Till Drill, 13'
Tye No-Till Drill w/15 Disc & Weight Drums
JD 315 Disc, Like New

COMBINES
JD 6600 Side Hill Combine, Reconditioned.
JD 7700 Combine w/Straw Chopper, Field Ready
JD 3300, Gas Combine w/16' Platform
(2) JD 215 Rigid Platforms

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- JD 4040 w/4 Post Roll Guard, Power Shift — 2885 Hrs., Nice!
- Int. 884 w/2250 Loader
- Int. 154 Cub Lo-Boy w/Mower
- JD 2440 w/Loader
- JD 2555, MFWD w/Cab & Air, 600 Hrs., Exc. Cond. — Snow Plow Also Available!
- Farmall Cub w/Wood Saw

USED MISCELLANEOUS EQUIPMENT

- Woods 121 3 Pt. Rotary Cutter
- JD 709 Pull-Type Rotary Mower
- JD 1209 Mower Cond. w/New Rolls
- JD 145H 5-Bot. 16" Trip Plow — $700 As Is
- JD 1600 10-Ft. 3-Pt. Chisel Plow
- JD 346 Baler w/30 Ejector
- JD 2-Row Potato Digger
- 3 Pt. Plows — 1, 2, 3 & 4 Bottom
- Late Model Grain Tables For 6600 Series Combines
- JD 444 Cornheads
- AC 16 Ft. Wing Fold Disk, On Rubber
- Century Trailer Sprayer w/Eng., Hose & Gun — Like New!
- Landoll Pull Or 3 Pt. Soilmaster, 5 Shanks, 7 Ft. Working Width
- Ford 3 Pt. Blade
- King Wyse 24 Ft. x 20" Elevator w/ Motor & Carriage
- 1989 Polaris Big Boss 6-Wheeler w/ Body — $3,100. Handy For Farmers To Travel To Fields.
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USED TRACTORS

- Ford TW5, Series II, Cab & Air, Dual power, dual remotes, deluxe hyd. system, 1300 hrs., excellent
- Ford 7700 2WD, no cab, w/dual power, 38" tires, good condition
- Ford 7610 Dsl. factory cab w/heat, dual power, dual PTO, 38" tires and weights, very nice
- Ford 6600 Dsl. w/dual power, 38" tires, front weights, extra nice, clean tractor
- Ford 6600 w/factory cab, dual power, dual remotes, Ford 772 QT loader, 2500 hrs., very nice
- Ford 2000 Gas, 4 spd, extra nice, clean, little tractor
- Ford 801 Dsl., 5 spd., live PTO, PS, weights, remotes, very nice condition
- Ford 601 Gas, 4 spd., w/Ford 705 front dozer blade
- Ford 9N w/weights, front snow plow, excellent
- Ford 9N w/step-up transmission, fresh overhaul, new tires and paint, excellent
- JD 4620 w/factory cab, power shift, 2 remotes, 20x38 radials, excellent
- JD 4520 w/year-round cab, air, 3400 hrs., 2 remotes, very nice
- JD 4320, Factory Cab, w/air, dual remotes, 3800 hrs., excellent condition
- JD 2950, 4WD, cab, air, fully equipped, 2500 hrs., excellent
- JD 830 2 cyl. dsl., direct electric start, PS, PTO, remote, all original, very nice
- Case 730 Dsl., WF, 3PT, dual remotes and weights, totally original, excellent condition
- AC D17, w/PS and AC trip bucket loader
- IH 1594, 4WD dsl. w/ROPS, 1985 model w/1200 hrs., very nice
- IH 1066 factory cab w/air, dual remotes, nice clean original tractor

USED PLANTERS AND DRILLS

- JD 8350, 18 Single Disc SOLD, Grass Seed, Fert., Extra Nice
- JD 7000 4R conservation, insect. boxes and monitor, excel. condition
- JD "B" 18x7 Double Disc w/seed & grass seed, hyd. lift, excellent
- Brillion 12' seeder, late model w/hyd. transport, excellent
- IH #10 16 DD Grain drill, w/ fert. & seed, excellent

USED PLOWS AND CHISELS

- Case 6x18 auto reset w/coulters and gauge wheel excel. (White 588)
- White 598 5x auto reset variable width w/coulters, very good cond.
- Oliver 548 5x16 auto reset w/curved coulters, side hill hitch gauge wheel, excellent
- Oliver 548 4x16, auto reset w/coulter and gauge wheel, very nice
- Brady 9 to SOLD pt. chisel plow
- Glenco 9 tooth soil saver, late model, used very little, just like new
- Glenco 9 tooth soil saver, very good condition
- IH 720 5x16 Au SOLD set, fully equipped, excellent
- IH 710 5x16 Auto Reset, coulters & gauge wheel, very nice
- IH 720 4x16 Auto Reset, excellent
- JD 2600 4 bottom spring automatic, fully equipped, very good condition

USED DISCS AND HARROWS

- IH 315 13' Cultimulcher w/inside wheels, very good cond.
- JD 1630, 11' Plowing Disc, 26" blades, like new
- JD 220, 20' Hydraulic Center Fold, Excellent Cond.
- JD 230, 20' Hydraulic Wing Fold, 21" Blades, Tandem Wheels
- White 265 10' plowing disc, very nice cond.
- White 263 12' finishing disc w/tandem wheels, very nice
- Pittsburgh 24' spring tooth transport harrow
- Miller 10' offset disc, tandem wheels, 25" blades, heavy 3 bar frame, excellent cond
- Krause 12' offset disc, very nice
- Brillion 23' all hydraulic x-fold cultipacker, almost new
- Knowles 20' transport spring tooth harrow, used very little

USED FORAGE EQUIPMENT

- NH 770 w/2RN corn, 770W pickup, HD 540 PTO, very nice
- NH 782 w/824 corn, 770 pickup, HD540 PTO, good condition
- JD 3960, 2RN and pickup, electric controls, hyd. tongue, very good condition
- JD 3970 3RN, 7' Pickup, Iron guard, spout and row track, electric controls, excellent
- JD 5400 cab, air, 4WD, JD Dura-Drum, 3 RN 7' pickup, 3600 hrs., excellent condition

USED HAY EQUIPMENT

- NH 315 Baler w/#75 pan thrower, excellent
- NH 315 w/#70 thrower, nice, clean, orig. baler
- NH 489 Haybine, stop guards, hyd. tongue, like new
- NH 488 Haybine, 9' cylinders and hoses, good machine, w/excellent rolls
- NH 495 12' Haybine, very good condition
- NH 256 Rake, w/rubber teeth, nice
- NH 256 Rake, w/rubber teeth, one yr. old, like new
- Pequea 710 Hay tedder, used very little
- Several used wooden bale throw wagons w/gears
- Used pipe type bale throw wagon w/NH gear, excellent
- New quality Diller 8x18 bale throw racks w/choice of 6 or 8 ton gears

USED SILAGE WAGONS

- Papec Dion 3 beater w/roof and tandem
- Artsway Dion, 3 beater w/roof, 12 ton tandem excellent
- JD 716 3 beater w/roof, tandem running gear
- Lamco 14' 3 beater, no roof
- NH #8 3 beater, no roof, very nice

USED SPREADERS

- NH 680 Tandem Axle w/hyd. endgate w/slurry sides, excellent
- NH 679 Tandem Axle spreader w/gate
- JD 780 Tandem Hydro Push Spreader 540 PTO w/endgate and control valve

LOADERS

- JD 260 Quick attach loader w/quick attach bucket, excellent
- JD 148 Loader w/Heavy Duty Frame Work For Utility Style Tractors And Indep. Valve, Very Nice Condition
- IH 2001 Loader, brackets for 656 thru 686
- Ford 772 QT 6' bucket, valve and pump, fits 5000-7610

USED HARVESTER HEADS

- NH 900 hay pickup head
- NH 824 2R Corn, excellent
- NH 3RN auger base corn head package,
- NH Auger base w/8' hay pickup
- JD 2RW w/clutch
- Gehl TR30 38 late model 2R adj. cornhead
- NH 770W hay pickup head, excellent
- Gehl 2RW older style, good cond.

USED CONSTRUCTION EQUIPMENT

- JD 2010 Dsl. crawler loader w/ROPS, rear weights and hyd. shuttle, nice clean older machine
- Ford 3400 Gas w/ldr., 3 pt. and PS

MISCELLANEOUS

- MF 410 Combine 13' Hume reel, cab & air, extra nice
- JD 18x38 axle mount duals
- IH 16x38 axle mount duals
- JD Forage Harvester adapter plate for snapper head

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	LIST PRICE	SALES PRICE
Brillion 10-Ft. Pulverizer	$ 350	$ 275
Brillion 11-Ft. Pulverizer	$ 450	$ 275
IHC 12-Ft. Disk Harrow	$ 750	$ 550
JD 1450 5B16 Semi-Mtd. Plow	$ 950	$ 600
Hesston 1091 9 Ft. Mower Cond.	$1,350	$1,050
JD 1380 12-Ft. Mower-Conditioner	$3,500	$2,450
JD 5½ -Ft. Hay Pickup	$ 350	$ 250
IHC 800 6R30 Corn Planter	$4,250	$3,250
White 5400 6R30 Corn Planter	$3,500	$2,250
JD 215 15 Ft. Rigid Platform	$2,800	$1,500
JD 215 15 Ft. Rigid Platform	$3,500	$2,000
JD 215 15 Ft. Flex Platform	$5,500	$3,000

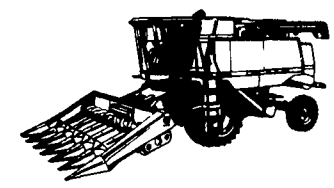
TRACTORS

0% Interest Til April 1, 1992

AC "C" w/Cult.	$ 1,850
JD 2150 45-H.P. Dsl. w/Rev. Trans., JD 175 Loader	$14,900
JD 3010 55-H.P. Dsl.	$ 5,950
JD 2240 55-H.P. Dsl. w/New Engine	$11,500
JD 2755 75-H.P. Dsl. MFWD, Cab	$30,500
JD 4010 80-H.P. Dsl.	$ 9,250
AC 200 100-H.P. Dsl., Cab	$ 8,500
Hesston 1380 120-H.P. w/Cab, 12 Spd.	$14,500
JD 4250 120-H.P. Dsl., Cab, P.S., Duals	$45,000
JD 4440, 130-H.P. Dsl. P/S, Cab	$28,500
AC 7060 160-H.P. Dsl., Cab, Power Shift	$15,500
Case IH 3394 165-H.P. Dsl. MFWD, Cab	$32,500
Case 4690 220-H.P. Dsl. 4-Whl. Drive Cab	$35,500

COMBINES

0% Interest Til Sept. 1, 1992 Or 5.9% For 48 Months



JD 55 Gas w/12 Ft., 3R Cornhead	$ 3,800
MF 750 Diesel w/4R Cornhead	$ 9,500
JD 4425, Variable Speed, Cab, Spreader, 950 Hours	$33,500
JD 4435, Variable Speed, Cab, Chopper, 880 Hours	$47,500
IHC 1460 Hydro, Cab, 6R30	$46,500
Gleaner L2 w/Cab, Straw Chopper, 15-Ft. Flex, 6R30	$36,500
JD 443 4R30 Cornhead	$ 3,850
JD 643 6R30 Cornhead	$11,500
JD 213 13-Ft. Flex Platform	$ 4,500
JD 215 15-Ft. Flex Platform	$ 7,250
JD 220 20-Ft. Flex Platform	$ 6,500

CORN PLANTERS

0% Interest Til April 1, 1992

JD 7000 4R30, Cons., Coulters, Dry Fert., Insect.	$ 7,150
JD 7000 4R30 Unit Coulters, Dry Fert., Insect.	$ 7,750
JD 7000 4R30 Unit Coulters, Dry Fert., Insect.	$ 7,500
JD 7000 6R30 Unit Coulters, Dry Fert., Insect.	$ 9,250
JD 7000 6R30 Cons., Frame Coulters, Dry Fert., Insect.	$10,500

FORAGE EQUIPMENT

0% Interest Til May 1, 1992

JD 3960 Harvester	$ 5,350
JD 3960 Harvester	~~$ 9,800~~ $ 7,500
JD 35 Harvester	$ 2,750
NH 900 Harvester w/Metal Alert, Hay PU, Like New	$18,500
NH 1895 SP w/3R30, Hay PU	$17,500

HAY EQUIPMENT

0% Interest Til May 1, 1992

NH 479 9-Ft. Haybine	$ 1,995
JD 1380 12-Ft. Mower-Conditioner	$ 3,750
NH 489 9-Ft. Haybine	$ 3,850
JD 1219 9-Ft. Mower-Conditioner	$ 6,350
NH 411 9-Ft. Rotary Disk Haybine	$ 6,950
Hesston 1160 12-Ft. Hydra-Swing	$11,500
JD 500 Round Baler	$ 2,450
NH 320 Baler w/Drop Chute	$ 5,500
JD 346 Baler w/JD Ejector	$ 6,950

MISC. EQUIPMENT

New Idea 245 10 Ton Spreaders w/Endgate	$ 2,850
JD FBB 15x7 Fert./Grain Drill	$1,650
Krause 5200 No-Til 13-Ft. Grain Drill	$9,000
JD 750 15 Ft. No-Til w/GSA, Like New	$21,000
New Idea 323 1-Row Corn Picker	$2,650
New Idea 176 41-Ft. Corn Elevator	$1,650
Tebbin 5-Tooth Deep-Til w/Gauge Wheels	$2,750
MF 233 Disk Harrow, 12-Ft.	$2,800
JD 950 Roller Harrow, 12-Ft.	$3,300

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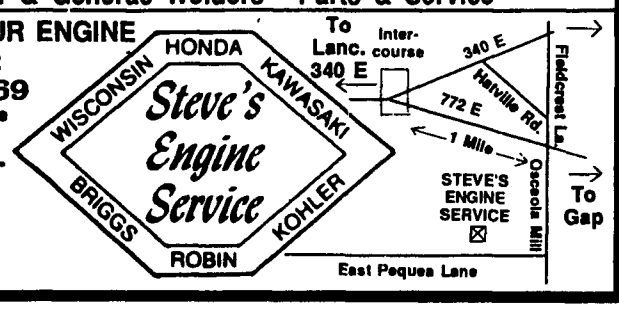

CLEARANCE SPECIALS

Brillion MLS1801 - 15' Pulvimulcher w/Scrapers & New Tires $6,900
Brillion 23' XFold Pulverizer w/20" Wheels, Scrapers & New Tires $6,495

NEW GEHL EQUIPMENT

Gehl CB860 forage harvester, 2R head $13,900
Gehl 3310 Skid Steer Loader .. $7,900
Gehl MC2170 - 9'3" Mower Conditioner $7,895
* Quantities Limited - F.O.B. Carlisle and Loysville

USED TRACTORS

JD 520 w/Fenders $3,695
JD 3020 diesel w/f $6,350
Case 530 w/3 Pt. $2,295

USED EQUIPMENT

Mustang 345 Skid steer loader $6,450
Bobcat 610 skid steer loader .. $5,900
JD 3950 Harvester w/Heads .. $11,500
Cab for 3020 or 4020 w/AC $950
JD 48 Loader w/2 cyl. mtg. $1,350
JD 640 Rake $1,195
Badger BN1040 Blower $795
JD 1209 MOCO $2,995
NH 275 Baler w/Thrower $2,375
JD 410 Round Baler $4,295
JD 338 Baler w/40 Ejector $10,900
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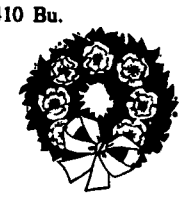

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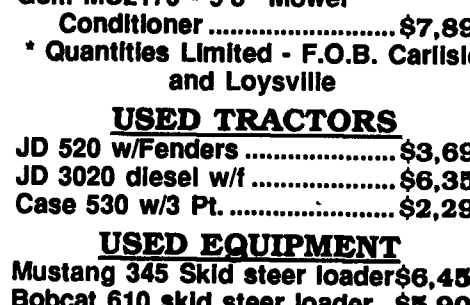

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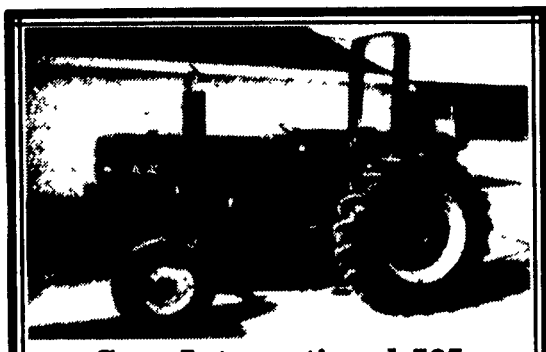

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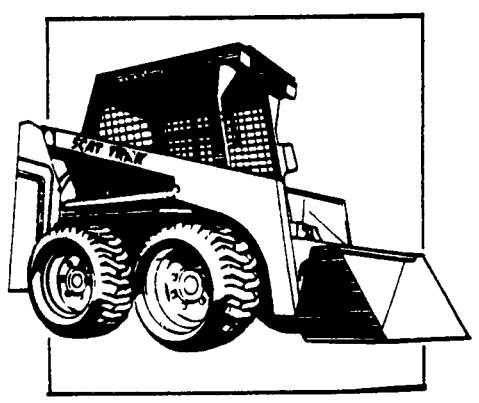

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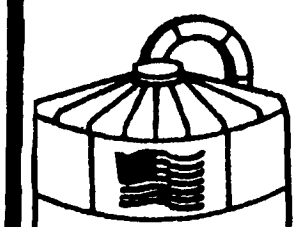

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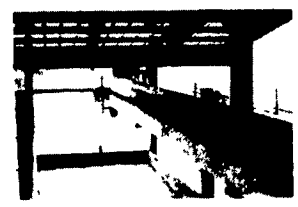

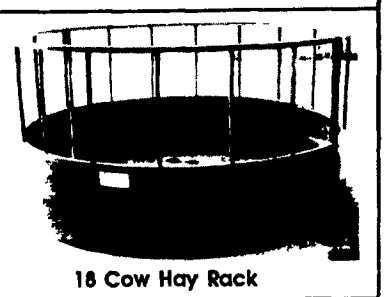

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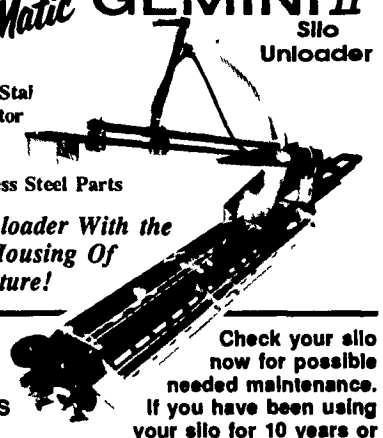

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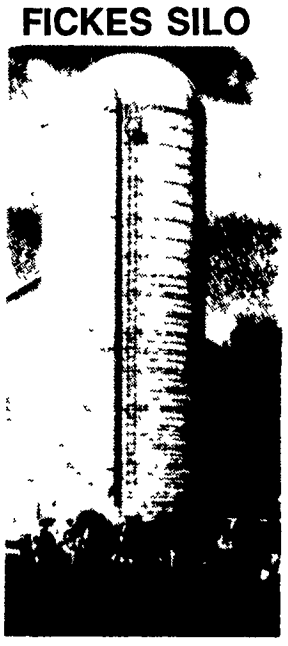

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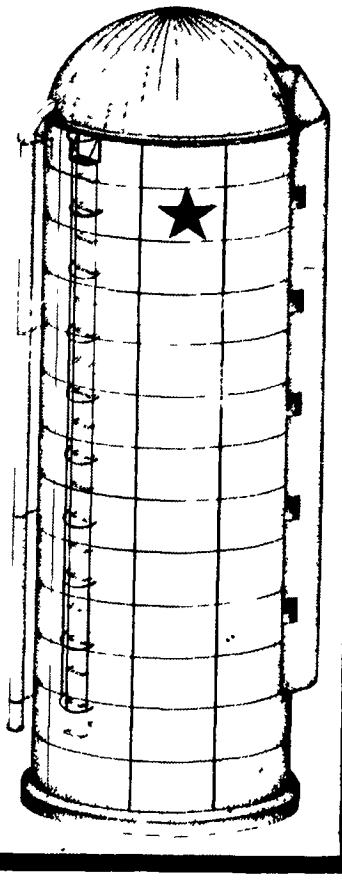

- Energy-Pak Bottom Unloading With Little David Ring Drive Unloaders
- Star "Toppers"
- Precast & Poured Manure Storage Structures - SCS Approved
- Precast Feed Bunk & Cattle Guards
- Service & Equipment Dealers

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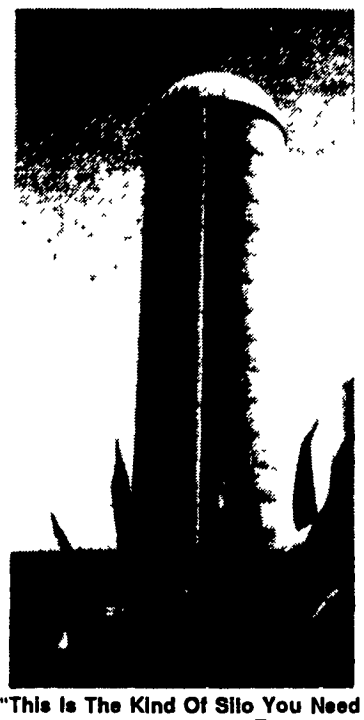
Myerstown, PA 17067

After Office Hours Call:
Bob Brubaker 717-464-3136
John Swope 717-933-4758



"This Is The Kind Of Silo You Need To Store Your Valuable Forages."

CONSIDER THE MANY ADVANTAGES OF POURED CONCRETE!

PLAN NOW FOR YOUR STORAGE NEEDS FOR 1992.

WE HAVE THE STRUCTURE YOU NEED FOR SILAGE STORAGE - HAY OR WILTED GRASS STORAGE - HIGH MOISTURE GRAIN STORAGE - LIQUID OR DRY MANURE STORAGE - OR ALMOST ANY MATERIAL NEEDING STORAGE.

WHEN PLANNING YOUR FORAGE PROGRAMS REMEMBER THAT YOUR MAIN OBJECTIVE IS TO "STORE THE PLANT AND REMOVE IT FROM STORAGE IN AS GOOD CONDITION AS POSSIBLE." THE UPRIGHT SILO HAS NEVE BEEN EQUALLED IN ITS ABILITY TO DO THIS!!

NO USED SILOS!
NO REBUILT SILOS!
NO PREOWNED SILOS!!!
YOUR BEST CHOICE FOR STORING YOUR VALUABLE FEEDS IS A POURED CONCRETE SILO FROM SOLLENBERGER SILOS CORP.

"ALL NEW FOR YOU"
Member...International Silo Assn.

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SINCE BEFORE 1910

Office Number - 717-264-9588

For Upright Silos Call Bob Francis 717-532-6848 — Evenings — For Bunker Silos & Manure Systems Call Tabb Justus 717-762-8663

Sollenberger Silos Corp.
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Address_____
City/State_____
Zip_____ Phone_____
Best Time To Call_____
County_____

Please send information on:
- ❑ 1. Bottom Unloading Concrete Silos
- ❑ 2. Top Unloading Concrete Silos
- ❑ 3. Precast Bunker Silos
- ❑ 4. Manure Pits
- ❑ 5. Feed Bunks
- ❑ 6. Cattleguards
- ❑ 7. Industrial Silos/ Tanks

S & S SILO REPAIR
WE DO

- Most Any Kind of Stave Silo Work
- Tear Down & Rebuild Stave Silos
- Shotcrete Relining
- New & Used Extensions
- New & Used Roofs & Chutes
- Unloaders (when available)
- Install Silage Distributors & Fill Pipes
- Repair Level Flo Silage Distributors
- Silo Doors - Most Any Kind
- New Ribstone Staves

We Buy Some Stave Silos

SHOTCRETE RELINING
Repair Holes & Rough Silo Interiors. Make Your Old Silo Look Like New On The Inside.

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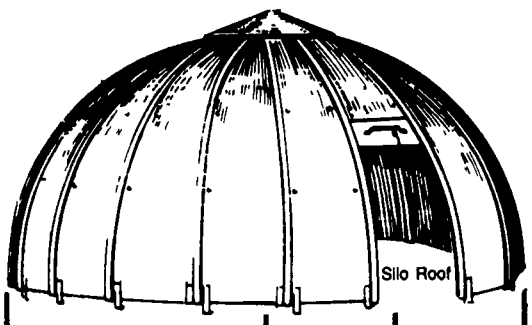

Winter Specials For Silo Accessories.
Most Any Type Stave Silo Work.
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Main Office (717) 295-5460 Leave Message Or Call Bet. 8 & 9 PM

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Unloader, Parts
& Service - Call: 717-776-3129

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Patz® SILO UNLOADERS
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RISSLER TMR MIXERS
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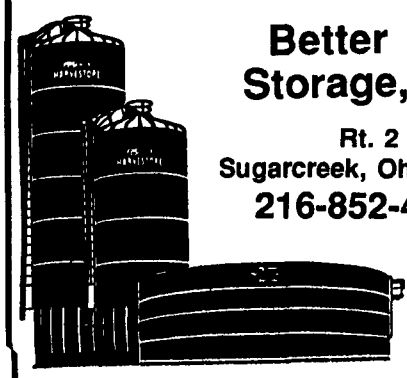
ATTENTION FARMERS!

Pre-Owned Harvestores® & Slurrystores® in stock ready to go for 1992 Season. All structures are guaranteed & rebuilt with new rebuild kits. Plan now and SAVE!

REXNORD CHAINS
$725.00 - Goliath 20'

Any replacement parts for Goliath or Hercules Will ship parts UPS
Rebuilt Goliath & Hercules Unloaders -Guaranteed.
1-Spartan unloader-excellent
NEW GOLIATH II unloaders 20' or 25'

CALL US FOR ALL YOUR HARVESTORE® NEEDS.
We are committed to serve all of Pa. & Va.



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In Business 16 Years

Not associated with A.O. Smith Harvestore Products, Inc.

Silo Construction And Repair
Buying and Selling Used Cement Stave Silos and Unloaders
Taking down unwanted silos.
Asa Drake,
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ZOOK'S SILO REPAIR

Buy And Sell Silos
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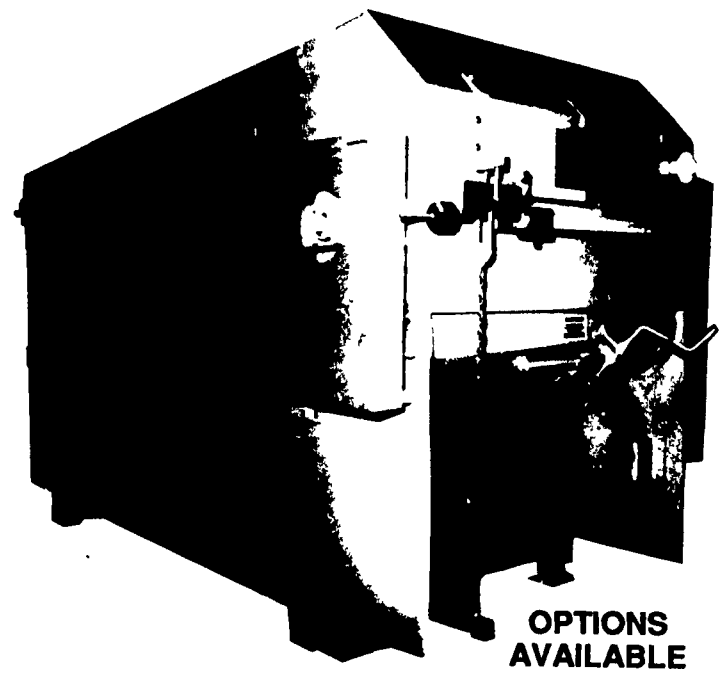
RISSLER FORAGE BLENDERS
FOR YOUR TOTAL MIXED RATION REQUIREMENTS

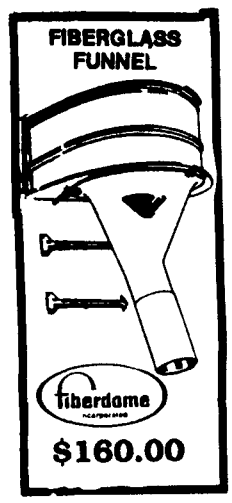


OPTIONS AVAILABLE

STANDARD FEATURES

- Beam Scale with Signal Light
- Motors Included with Price
- Fast 2-5 Minute Mix Time
- Stainless Steel Floor
- Heavy Stainless Steel Auger Trough
- Lower Energy Consumption
- Discharge Chute with Magnet

- Wall Mount Beam Scales with Cable & Pulleys
- 90° Crank on Discharge Door
- Motorized Discharge Door
- Beam Scales Mounted On Either Side
- Electronic 110 Volt Beeper
- Electronic Scales with or without Memory
- Truck or Trailer Mount with Side Discharge



SPECIALS
12 Ft. Pump $4,700
10 Ft. Pump $4,500

Check Our Prices On Barn Cleaner Chain Hook & Eye and Box Link

Full Line Parts Department For Starline

STARLINE
DONALD R. NISSLEY
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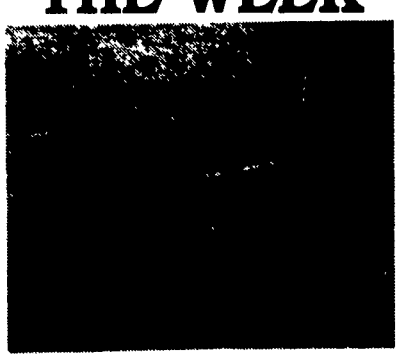
(717) 786-7654

WE AT LAPP'S BARN EQUIPMENT ARE A SERVICE-ORIENTED COMPANY!!

★ SPECIAL OF THE WEEK ★



- **12' PTO PUMP-Rental (UE 1004)**

USED EQUIPMENT (Rebuilt)

- (UE 1002) 180 Oswalt Trailer Mixer
- (UE 1003) Demo 230 Oswalt Trailer Mixer
- (UE 1005) N-Tech 10' Electric Pump
- (UE 1006) Side-Mount Manure Pump
- (UE 1012) Dynavent Mulcher
- (UE 1022) 180 Oswalt Mixer
- (UE 1025) 3300 N-Tech Tanker-Rental
- (UE 1026) Grain-Brain 40 Cow Feeding System
- (UE 1027) 210 Van Dale Trailer Mixer, Excellent Cond.

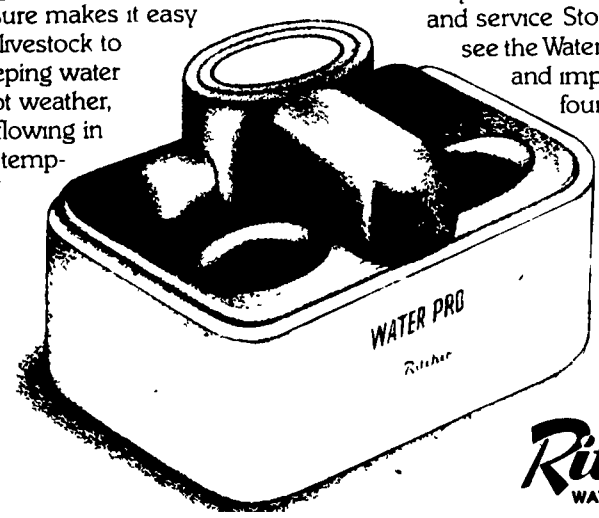
Durable Energy-Free Water Pro™ From Ritchie.

The new and improved Ritchie® Water Pro™ is the durable answer to energy-free watering on your lot

The patented pulley/cable drink closure makes it easy for small livestock to drink, keeping water cool in hot weather, and free-flowing in sub-zero temperatures *

The new Water Pro is constructed from impact resistant plastic and uses no electricity, so it eliminates heating elements and utility bills! Plus, it's easy to install and service Stop by and ask to see the Water Pro — the new and improved energy-free fountain from Ritchie

*Read instructions for proper installation



RELAX Ritchie® WATERS 'EM RIGHT

LAPP'S BARN EQUIPMENT

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PHONE: 717-442-8134
WE SERVICE WHAT WE SELL
UPS

Purina Mills wants to thank all its farm customers and dealers for their business this past year.

We pray that the Lord will be with all of you and your families and we look forward to your business in the coming year.

Sincerly,

Purina Mills, Inc.